homo sapien caenorhabdi schizosacch yersinia pe caenorhabdi

P00679 Q20041 Q86144 Q86144 Q814m1 Q1383 Q1383 Q1383 Q1383 Q1383 Q7pdps Q7bdps Q7bdys Q7dlks Q7dlks

cavia porce caenorhabdi dictyosteli

mus musculu arabidopsis clostridium

dictyosteli plasmodium neurospora

Title: Perfect score:

Sequence:

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OM protein

Run on:

Scoring table:

Word size :

Searched:

Database :

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Relachl U., Youssef M.T., Wolf H., Hyytia-Trees E., Strockbine N.A.;
"Real-time fluorescence PCR assays for detection and characterization of heat-labile I and heat-stable I enterotoxin genes from enterotoxigenic Escherichia coli.;
J. Clin. Microbiol. 42:4092-4100(2004).
BMBL; AN342058; AQ92975.1;
GO; GO:000576; C:extracellular; IEA.
GO; GO:000576; C:extracellular; IEA.
HINEOTOF, IPROCH49; Enterotoxin HS.
PROSITE; PS00273; ENTEROTOXIN HS; I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bacteria, Proteobacteria, Gammaproteobacteria, Enterobacteriales,
Enterobacteriaceae, Escherichia.
NCBI_TaxID=562;
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Enterobacteriaceae; Escherichia.
NCBI_TaxID=562;
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SEQUENCE 61 AA, 6658 MW; 1D75955D7AFODED2 CRC64;
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05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Heat-stable enterotoxin ST Ib (Fragment).
Escherichia coli.
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ID HST2_ECOLI

AC Q47185;

DT 15-DEC-1998 (Rel. 37, Created)

DT 15-DEC-1998 (Rel. 37, Last sequence update)

DT 05-JUL-2004 (Rel. 44, Last annotation update)

DE Heat-stable enterotoxin A2 precursor (STA2).
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RNPB_CAVPO

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SEQUENCE FROM N.A.
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SEQUENCE FROM N.A.
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PubMed=15364995;
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                               GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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       This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation-the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/
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cyclase and increases cyclic GMP levels within the host intestinal epithelial cells.
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Stieglitz H., Cervantes L., Robledo R., Fonseca R., Covarrubias L.,
Bolivar F., Kupersztoch Y.M.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HST3_ECOLI STANDARD; PRT; 72 AA.
P07955; P26588;
P0.1-M0G-1998 (Rel. 08, Created)
01-M0G-1992 (Rel. 23, Last sequence update)
05-JUL-2004 (Rel. 44, Last annotation update)
Heat-stable enterotoxin A3/A4 precursor (STA)STA4) (ST-IB) (ST-H)
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Enterobacteriaceae, Escherichia.
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                                                                                                                                                                     -1- SÜBCELLULAR LOCATION: Secreted.
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Heat-stable enterotoxin A2.
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By similarity.
By similarity.
D87850306E06B260 CRC64;
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PROSITE; PS00273; ENTEROTOXIN H STABLE; 1.
Enterotoxin; Signal; Toxin.
                                                                                                                                                                                                                                                                                                                        entities requires a license agreement (S. or send an email to license@isb-sib.ch).
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MEDLINE=83184648; PubMed=6341230;
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Escherichia coli.
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SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDINE=90034194; PubMed=2680769; DOI=10.1016/0378-1119(89)90182-0; Dwarakanath P., Visweswariah S.S., Subrahmanyam Y.V.B.K., Shanthi G., Jagannatha H.M., Balganesh T.S.; "Cloning and hyperexpression of a gene encoding the heat-stable toxin of Escherichia coli.";
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-!- FUNCTION: Toxin which activates the particulate form of guanylate cyclase and increases cyclic GMP levels within the host intestinal
                                                                                                                                                                                                                                                                                                                    MEDIJINE=89108616; PubMed=2643580; Guzman-Verduzio L.M., Kupersztoch Y.M.; Guzman-Verduzio L.M., Kupersztoch Y.M.; Rectification of two Escherichia coli heat-stable enterotoxin allele sequences and lack of biological effect of changing the carboxyterminal tyrosine to histidine.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDLINE=87191003; PubMed=3552731; DOI=10.1016/0014-5793(87)80134-5; Shimonishi Y., Hidaka Y., Koizumi M., Hane M., Aimoto S., Takeda T., Miwatani T., Takeda Y.; "Mode of disulfide bond formation of a heat-stable enterotoxin (STh) produced by a human strain of enterotoxigenic Escherichia coli."; FEBS Lett. 215:165-170(1987).
                             MEDLINE-90273381; PubMed=2190361; DOI=10.1016/0041-0101(90)90085-L; Zhou X., Shen L.P., Chi C.W.; "Isolation and nucleotide sequence determination of a gene encoding heat-stable enterotoxin of Escherichia coll.";
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Rasheed J.K., Guzman-Verduzco L.M., Kupersztoch Y.M.;
"Two precursors of the heat-stable enterotoxin of Escherichia coli:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE OF 54-72.
MEDIJINE-83105138; PubMed=6759126;
Aimoto S., Takao T., Shimonishi Y., Hara S., Takeda T., Takeda Y.,
Miwatani T.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  epithelial cells.
-!- SUBCELLULAR LOCATION: Secreted.
-!- SIMILARITY: Belongs to the heat-stable enterotoxin family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pfam; PF02048; Enterotoxin HS; 1.
PROSITE; PS00273; ENTEROTOXIN H STABLE; 1.
Direct protein sequencing; Enterotoxin; Signal; Toxin.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Infect. Immun. 57:645-648(1989)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL; J03311; AAA24652.1; -.
EMBL; M34916; AAA23990.1; -.
EMBL; M18346; AAA23730.1; -.
EMBL; M29255; AAA24686.1; -.
                                                                                                                                                                                                         Toxicon 28:453-456(1990).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PIR; JS0292; QHECIB.
PIR; JT0373; QHEC4.
HSSP; P01559; 1ETN.
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SEQUENCE FROM N.A.
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PubMed=15364995;
Relschl U., Youssef M.T., Wolf H., Hyytia-Trees E., Strockbine N.A.;
Relschl U., Youssef M.T., Wolf H., Hyytia-Trees E., Strockbine N.A.;
"Real-time fluorescence PCR assays for detection and characterization
of heat-lablie I and heat-stable I enterotoxin genes from
enterotoxigenic Escherichia coli.";
J. Clin. Microbiol. 4214092-4100(2004).
EMBL; AX342057; AA092974.1;
GO; GO:0005976; C:extracellular; IEA.
GO; GO:0005976; C:extracellular; IEA.
GO; GO:0009405; P:pathogenesis; IEA.
InterPro; IPRO01489; Enterotoxin HS.
PFam; PPO2048; Enterotoxin HS:
                                                                                                                                                                                                                                                                                                                                                                                                             Bacteria, Proteobacteria, Gammaproteobacteria, Enterobacteriales,
Enterobacteriaceae, Escherichia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 61;
                                                                                                                                                           Length 18;
                                                                                                                                                                                      Indels
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                                                                                               Přem; PF02048; Enterocoxin HS; 1.
PROSITE; PS00273; ENTEROTOXIN H STABLE; 1.
SEQUENCE 18 AA; 1978 MW; D4D975F49D60064F CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       61 AA; 6927 MW; 646D4AE2F899D957 CRC64;
                                                                                                                                                                                                                                                                                                                                       05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Heat-selbe enterotoxin ST-Ia (Fragment).
Escherichia coli.
                                                                                                                                                       57.9%; Score 11; DB 2; Li
100.0%; Pred. No. 9.5e-06;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 57.9%; Score 11; DB 2; Le
100.0%; Pred. No. 2.6e-05;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      POISE9; Q47653;
21-JUL-1986 (Rel. 01, Created)
21-JUL-1986 (Rel. 01, Last sequence update)
22-CCT-2004 (Rel. 45, Last annotation update)
Heat-stable enterotoxin ST-IA/ST-P precursor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             72 AA.
                                                                                                                                                                                                                                                                                                                 61 AA
stable enterotoxin (ST Ia).";
Infect. Immun. 57:649-652(1989).
PIR; A60103; A60103.
HSSP; PO1559; IETN.
GO; GO:0005576; C:extracellular; IEA.
GO; GO:0009405; P:pathogenesis; IEA.
InterPro; IPR001489; Enterotoxin_HS.
                                                                                                                                                                                                                                                                                                                  PRT;
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                                                                                                                                                       Query Match
Best Local Similarity 100.
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity 100
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                                                                                                                                                                                                                                                                                                                  PRELIMINARY;
                                                                                                                                                                                                                5 YCCELCCNPAC 15
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HST1_ECOLI
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     RECOCCEPTATE
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"Real-time fluorescence PCR assays for detection and characterization of heat-labile I and heat-stable I enterotoxin genes from enterotoxigenic Escherichia coli.";
U. Clin. Microbiol. 42:4092-4100(2004).
EMBL; AX142059; AA09276.1;
GO; GO:000576; C:extracellular; IEA.
GO; GO:0009405; P:pathogenesis; IEA.
InterPro; IPR001489; Enterotoxin.HS.
PROSITE; PS00273; ENTEROTOXIN.HS; I.
                                                                                                                               Gaps
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01-MAR-2004 (TrEMBLrel. 26, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last sequence update)
Heat-stable enterotoxin ST-Ia.
Citrobacter freundii.
Bacteria, Proteobacteria, Gammaproteobacteria; Enterobacteriales;
Enterobacteriaceae; Citrobacter.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDLINE=89108617; PubMed=2912902;
Guarino A., Giannella R., Thompson M.R.;
"Citrobacter freundii produces an 18-amino-acid heat-stable
enterotoxin identical to the 18-amino-acid Escherichia coli heat-
                                                                                                                                                                                                                                                                                                                                                            Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
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  Heat-stable enterotoxin A3/A4
                                                                                                  Score 15; DB 1; Length 72;
Pred. No. 7.6e-10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        68.4%; Score 13; DB 2; Length 61; 100.0%; Pred. No. 1.3e-07; ive 0; Mismatches 0; Indels
                                                                                                                            0; Indels
                                                       A -> P (in Ref. 2).
1C5C9292BFCBA6BA CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              61 AA; 6556 MW; 89788D3FAB3DCA0A CRC64;
                                                                                                                                                                                                                                                                                               05-JUL-2004 (TrEMBLrel. 27, Last sequence update) 05-JUL-2004 (TrEMBLrel. 27, Last annotation update) Heat-stable enterotoxin ST Ib (Fragment). Escherichia coli.
                                                                                                                                                                                                                                                           61 AA
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                                                                                      78.9%; Scc...
100.0%; Pred
0; N
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NCBI_TaxID=562;
                                                         19
7909 MW;
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Best Local Similarity 100...
Conservative
13: Conservative
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                                                                                                                              Conservative
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  72
64
68
71
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nes 15; Conserv
 54
59
60
63
19
72 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                              PubMed=15364995;
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05-JUL-2004
PEPTIDE
DISULPID
DISULPID
DISULPID
CONFLICT
SEQUENCE
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SEQUENCE
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Q7MOU3
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Sato T., Ozaki H., Hata Y., Kitagawa Y., Katsube Y., Shimonishi Y.;
Sato T., Ozaki H., Hata Y., Kitagawa Y., Katsube Y., Shimonishi Y.;
Sato T., Ozaki H., Hata Y., Kitagawa Y., Katsube Y., Shimonishi Y.;
Sato T., Ozaki H., Hata Y., Kitagawa Y., Katsube Y., Shimonishi Y.;
Sato T., Ozaki H., Hata Y., Kitagawa Y., Katsube Y., Shimonishi Y.;
crystallography of weakly toxic and nontoxic analogs.";
Sis641-8650(1994).
Isolography of weakly toxic and nontoxic analogs.";
Sicolase and increases cyclic GMP levels within the host intestinal epithelial cells.
Sylphelial cells.
-I- SUBCELLULAR LOCATION: Secreted.
-I- SUBCELLULAR LOCATION: Ozereted.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDLINE=87191003; PubMed=3552731; DOI=10.1016/0014-5793(87)80134-5; Shimonishi Y., Hidaka Y., Koizumi M., Hane M., Aimoto S., Takeda T., Miwatani T., Takeda Y., "Indea Y., "Mode of disulfide bond formation of a heat-stable enterotoxin (STh) produced by a human strain of enterotoxigenic Escherichia coli."; FEBS Lett. 215:165-170(1987).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=90368584; PubMed=2203746;
Okamoto K., Takahara M.;
"Synthesis of Escherichia coli heat-stable enterotoxin STp as a pre-
pro form and role of the pro sequence in secretion:";
J. Bacteriol. 172:5260-5265(1990).
                                                                                                                                                                                                                                                                                                                                   MEDLINE=85249571; PubMed=2990268;
Sekizaki T., Akashi H., Terakado N.;
"Nucleotide sequences of the genes for Escherichia coli heat-stable
enterotoxin I of bovine, avian, and porcine origins.";
Am. J. Vet. Res. 46:909-912(1985).
TRANSPOSON=Tn1681;
MEDLINE=81054703; PubMed=6254008;
SO M., McCarthy B.J.;
"Nucleotide sery B.J.;
"Nucleotide sery B.J.;
heat-stable (ST) toxin and its identification in enterotoxigenic Escherichia coli strains.";
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Pfam; PF02048; Enterotoxin HS; 1—
PROSITE; PS00273; ENTEROTOXIN H STABLE; 1.
3D-structure; Enterotoxin; Signal; Toxin; Transposable element.
SIGNAL
                                                                                                                                                                                                                                                    "The heat-stable toxin I gene from Escherichia coli 18D."; J. Bacteriol. 172:5490-5493(1990).
                                                                                                                         Proc. Natl. Acad. Sci. U.S.A. 77:4011-4015(1980).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                X-RAY CRYSTALLOGRAPHY (0.89 ANGSTROMS) OF 59-71.
                                                                                                                                                                                        STRAIN=042:K86:H37 / 18D / ETEC;
MEDLINE=90368614; PubMed=2203756;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EMBL; V00612; CAA23883.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EMBL; M58746; AAA62776.1; -.
EMBL; M25607; AAA24653.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PDB; 1ETL; X-ray; @=59-71.
PDB; 1ETM; X-ray; @=-.
PDB; 1ETN; X-ray; @=-.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PIR; A01822; QHEC1.
                                                                                                                                                                    SEQUENCE FROM N.A.
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59
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                                                                                                                                                                                                                                   Dallas W.S.;
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"Nucleotide sequence of a gene encoding the novel Yersinia
enterocolitica heat-stable enterotoxin that includes a pro-region-like
sequence in its mature toxin molecule.";
Microb. Pathog. 22:89-97(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          enterocolitica:";
FEBS Lett. 362:319-322(1995).
-!- FUNCTION: Toxin which activates the particulate form of guanylate cyclase and increases cyclic GMP levels within the host intestinal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Characterization of a highly toxic, large molecular size heat-stable enterotoxin produced by a clinical isolate of Yersinia
                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE OF 20-72.
STRAIN=Serctype O:3;
MEDLINE=95246844; PubMed=7729521; DOI=10.1016/0014-5793(95)00267-D;
YOBHINO K., Takao T., Huang X., Murata H., Nakao H., Takeda T.,
Shimonishi Y.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
Enterobacteriaceae; Yersinia.
NCBI_TaxID=630;
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SUBCELLULAR LOCATION: Secreted.
SIMILARITY: Belongs to the heat-stable enterotoxin family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRAIN=86-11;
MEDLINE=97202479; PubMed=9049998; DOI=10.1006/mpat.1996.0094;
                                                                                                                                                                                                                          57.9%; Score 11; DB 1; Length 72; 100.0%; Pred. No. 3e-05; ive 0; Mismatches 0; Indels
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68
71
70 G -> P (in Ref. 3).
62
67
70
8075 MW; 92E8B766B3988264 CRC64;
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Pfam; PF02048; Enterotoxin HS; 1.
PR051TE; PS00273; ENTEROTOXIN H STABLE; 1.
Direct protein sequencing; Enterotoxin; Signal; Toxin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-DEC-1998 (Rel. 37, Created)
15-DEC-1998 (Rel. 37, Last sequence update)
15-UL-2004 (Rel. 44, Last annotation update)
Heat-stable enterotoxin C precursor (Y-STC).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              72 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRT;
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                                                                                                                                                                                                                                                                                      11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  fersinia enterocolitica.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STANDARD;
                                                                                                                                                                                                                                                                                                                                                                              58 YCCELCCNPAC 68
                                                                                                                                                                                                                                                                                                                                              5 YCCELCCNPAC 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19
72
65
69
                                                                                                                                                                                                                                Query Match
Best Local Similarity
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SEQUENCE
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Best Loc Matches

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MEDLINE=84280842; PubMed=6466616;
Gray'W.R., Luque F.A., Galyean R., Atherton E., Sheppard R.C.,
Stone B.L., Reyes A., Alford J., McIntosh M., Olivera B.M., Cruz L.J.,
                                  Caenorhabditis elegans.
Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
Rhabditidae; Peloderinae; Caenorhabditis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE-83105694; PubMed=7152021; DOI=10.1016/0014-5793(82)80820-X; Nishiuchi Y., Sakakibara S.; "Primary and secondary structure of conotoxin GI, a neurotoxic tridecapeptide from a marine snail.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conotoxin GI: disulfide bridges, synthesis, and preparation of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Mollusca; Gastropoda; Orthogastropoda;
Apogastropoda; Caenogastropoda; Sorbeoconcha; Hypsogastropoda;
Neogastropoda; Conoidea; Conidae; Conus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDLINE=81191854; PubMed=7014556; Gray W.R., Luque F.A., Olivera B.M., Barrett J., Cruz L.J.; Gray W.R., Luque F.A., Olivera B.M., Barrett J., Cruz L.J.; "Peptide toxins from Conus geographus venom."; J. Biol. Chem. 256:4734-4740(1981).
                                                                                                                                                                                                                                                                                   "Genome sequence of the nematode C.elegans: A platform for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 248;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Indels
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21-JUL-1986 (Rel. 01, Last sequence update)
25-OCT-2004 (Rel. 45, Last annotation update)
Alpha-conotoxin GIA [Contains: Alpha-conotoxin GI (GI)].
Conus geographus (Geography cone).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Submitted (NOV-1996) to the EMBL/GenBank/DDBJ databases.
EMBL; 782262; CABO5152.1; -.
PIR; 719913; T19913.
HSSP; P01180; 1JK4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hypothetical protein.
SEQUENCE 248 AA; 26410 MW; 07E4DF45D17FBF7D CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         36.8%; Score 7; DB 2;
100.0%; Pred. No. 3.4;
tive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DISULPIDE BONDS OF GI, AND SYNTHESIS OF GI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WormPep; C41F9.5; CE19733.
InterPro; IPR006150; Worm_repeat_1.
SMART; SM00289; WR1; 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WormBase; WBGene00008073; C43F9.5.
                                                                                                                                                                                                                         MEDLINE=99069613; PubMed=9851916;
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Biochemistry 23:2796-2802(1984)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEBS Lett. 148:260-262(1982).
                                                                                                                                                                                                                                                                                                                investigating biology.";
Science 282:2012-2018(1998)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SSNYCCE 187
                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE FROM N.A. STRAIN=Bristol N2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 SSNYCCE 8
                                                                                                                                                                     SEQUENCE FROM N.A
ORFNames=C43F9.5;
                                                                                                                   NCBI_TaxID=6239;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mortimore B.J.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CONGE
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CXAA_CONGE
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     THE SERVICE SE
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intestinal
                                                                                                                                           Gaps
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-I- FUNCTION: Toxin which activates the particulate form of guanylate cyclage and increases cyclic GMP levels within the host intestin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
Enterobacteriaceae; Escherichia.
NCBI_TaxID=562;
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-1- SIMILARITY: Belongs to the heat-stable enterotoxin family.
PIR; A01823; QHEC2.
HSSP: P01559; 1ETN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Chan S.-K., Glannella R.A.;
Amino acid sequence of heat-stable enterotoxin produced by
Escherichia coll pathogenic for man.";
J. Biol. Chem. 256:7744-7746(1981).
                                                                              52.6%; Score 10; DB 1; Length 72; 100.0%; Pred. No. 0.00043; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
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  By similarity.
7C0D83893C2F981D CRC64;
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01-NOV-1999 (TrEMBLrel. 12, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Hypothetical protein C43F9.5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       InterPro, IPR001489; Enterotoxin_HS.
Pfam; PF02048; Enterotoxin_HS; 1.
PROSITE; PS00273; ENTEROTOXIN_H STABLE; 1.
Direct protein sequencing; Enterotoxin; Toxin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              36.8%; Score 7; DB 1; 100.0%; Pred. No. 0.38;
                                                                                                                                                                                                                                                                                                                                                                                                                                            21-JUL-1986 (Rel. 01, Created)
21-JUL-1986 (Rel. 01, Last sequence update)
25-JUL-2004 (Rel. 44, Last annotation update)
Heat-stable enterotoxin ST-2 (ST-B).
                                                                                                                                                                                                                                                                                                                                                                                              18 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRAIN=042:K86:H37 / 18D / ETEC;
MEDLINE=81264141; Pubmed=7021541;
  72
7639 MW;
                                                                                                           Local Similarity 100.
nes 10; Conservative
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Matches 7; Conservative
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                                                                                                                                                                                            6 CCELCCNPAC 15
                                                                                                                                                                                                                                                   60 CCELCCNPAC 69
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YCCELCC 10
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  64
72 AA;
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ID HSTB_ECOLI
AC P01560;
DISULFID
SEQUENCE
                                                                                 Query Match
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RESULT 10
Q9XUG6
ID Q9XUG
AC Q9XUG
DT 01-NO
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Gaps

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group) (in alpha-conotoxin GI).

Lysine amide (in alpha-conotoxin GIA).

R-AA: Reduction in affinity for both
alpha/delta and alpha/gamma sites on

SCH-1 receptors and loss of affinity for
both alpha/delta and alpha/gamma sites on

Torpedo receptors (in GI).
                                                                                                                                                                                                                                                                                                                                                   sequencing; Neurotoxin; Postsynaptic neurotoxin; Toxin.
15 Alpha-conotoxin GIA.
13 Alpha-conotoxin GI.
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   -i- SUBCELLULAR LOCATION: Secreted.
-i- TISSUE SPECIFICITY: Expressed by the venom duct.
-i- SIMILARITY: Belongs to the conotoxin A-superfamily, Alpha-type
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Cysteine amide (G-14 provides amide
                                                                                                                                                    NOT; X-ray; @=1-14.
1QS3; NMR; A=2-13.
1XG3, NMR; @=1-14.
1XG3, NMR; @=1-14.
1XG5; NMR; @=1-14.
1XGC; NMR; @=1-14.
tructure; Acetylcholine receptor inhibitor; Amidation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bacteria; Proteobacteria; Gammaproteobacteria; Vibrionales;
Vibrionaceae; Vibrio.
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GO; GO:0009405; P:pathogenesis; IEA.
InterPro; IPR001489; Enterocioxin HS.
PFG048; Enterocoxin HS; 1.
PROSTIR; PS000273; ENTEROTOXIN H STABLE; 1.
SEQUENCE 17 AA; 1821 MW; 30FF036D018D601C CRC64;
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1-JUN-2003 (TrEMBLrel. 24, Last annotation update)
1-ST-1, NAG-ST, VM-ST=HEAT-stable enterotoxin.
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Pred. No. 5.1;
; Mismatches
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100.0%; Pred. No
tive 0; Mismat
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01-MAY-2000 (TrEWBLrel. 13, Created)
01-MAY-2000 (TrEWBLrel. 13, Last seq
01-MAY-2000 (TrEWBLrel. 13, Last ann
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FEBS Lett. 326:83-86(1993)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6; Conservative
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1es 6; Conservative
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                                                                                                                             PIR, A01782; NTKNAG.
PDB; 1NOT; X-ray; @=1
PDB; 1QS3; NMR; A=2-1
PDB; 1XGA; NMR; @=1-1
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Best Local Similarity
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-!- FUNCTION: Alpha-conotoxins act on postsynaptic membranes, they bind to the nicotinic acetylcholine receptors (nAChR) and thus inhibit them. The higher affinity site for alpha-conotoxin GI is the alpha/delta site on mouse muscle-deriverd BC3H-1 receptor, and the other site (alpha/gamma site) on nicotinic receptors from Torpedo californica electric organ.
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MEDLINE=99438341; PubMed=10508392; DOI=10.1021/bi990558n;
Mok K.H., Han K.H.;
MINK solution conformation of an antitoxic analogue of alpha-conotoxin
GI: identification of a common nicotinic acetylcholine receptor
alpha(1)-subunit binding surface for small ligands and alpha-
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                                                                                                                                                                                                                      PHARMACOLOGICAL CHARACTERIZATION ON MOUSE MUSCLE-DERIVED BC3H-1 CELLS
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MEDLINE=99321613; PubMed=9660176;
Maslennikov I.V., Sobol A.G., Gladky K.V., Lugovskoy A.A.,
OStrovsky A.G., Tseellin V.I., Ivanov V.T., Arseniev A.S.,
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Eur. J. Blochem. 254:238-247(1998).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                and SI
                                                                                                                                                                                                                                                AND TORPEDO ELECTRIC ORGAN.

MEDLINE=95349511; PubMed=7623764;

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                                                                                                  nicotinic
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Kobayashi Y., Ohkubo T., Kyogoku Y., Nishiuchi Y., Sakakibara S.,
Braun W., Go N.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDLINE=96378624; PubMed=8784187; DOI=10.1021/bi960820h;
Guddat L.W., Martin J.A., Shan L., Edmundson A.B., Gray W.R.;
"Three-dimensional structure of the alpha-conotoxin GI at 1.2-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDLINE=97317090; PubMed=9174364; DOI=10.1021/bi970195w; Groebe D.R., Gray W.R., Abramson S.N.; "Determinants involved in the affinity of alpha-conotoxins GI for the muscle subbryee of nicotinic acetylcholine receptors."; Biochemistry 36:6469-6474(1997).
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COMPARISON WITH ALPHA-CONOTOXIN SI AND ALPHA-CONOTOXIN MI
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J. Mol. Biol. 278:401-415(1998)
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SEQUENCE.
MEDLINE-93314823; PubMed=8325391; DOI=10.1016/0014-5793(93)81766-S;
WEDLINE-93314823; PubMed=8325391; DOI=10.1016/0014-5793(93)81766-S;
Yoshino K., Miyachi M., Takao T., Bag P.K., Huang X., Nair G.B.,
Takeda T., Shimonishi Y.;
"Purification and sequence determination of heat-stable enterotoxin elaborated by a cholera toxin-producing strain of Vibrio cholerae.Ol.";
                                                                                                                                                                                 Bacteria; Proteobacteria; Gammaproteobacteria; Vibrionales;
Vibrionaceae; Vibrio.
NCBI TaxID=666;
                                                                                                                                                                                                                                                                                                                                                                                   PEBS Lett. 326:83-86(1993).

G0, G0:0005576; C:extracellular; IEA.
G0; G0:000465; P:pathogenesis; IEA.
InterPro; IPR001489; Enterotoxin_HS.
Ptam, PF02048; Enterotoxin_HS, 1.
PROSTIE; PS000273; ENTERCOXIN_HS, 1.
SEQUENCE 28 AA; 3080 MW; Z5ECADAFBCS7DB72 CRC64;
                                                                                     01-MAY-2000 (TrEMBLrel. 13, Created)
01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-UN-2003 (TrEMBLrel. 24, Last annotation update)
01-ST-4-HEAT-stable enterotoxin.
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GO; GO:0009405; P:pathogenesis; IEA.
InterPro; IPR001489; Enteroctoxin HS.
Pfam; PF02048; Enteroctoxin HS; 1.
PROSITE; PS00273; ENTEROTOXIN H STABLE; 1.
SEQUENCE 18 AA; 1934 MW; 3080692D018D601C CRC64;
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GO; GO:0009405; P:pathogenesis; IEA.
InterPro; IRR001489; Enterotoxin HS.
PROSO18; Enterotoxin HS; 1.
PROSITE; PS00273; ENTEROTOXIN H STABLE; 1.
SEQUENCE 19 AA; 2048 MW; 308015F1A18D601C CRC64;
                                                                   01-MAY-2000 (TYEWBLrel. 13, Created)
01-MAY-2000 (TYEWBLrel. 13, Last sequence update)
01-JUN-2003 (TYEMBLrel. 24, Last annotation update)
01-ST-2, VC-H-ST-HEAT-stable enterotoxin.
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iive 0; Mismatches
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US-08-4-12232-2
US-08-4-68-498-2
US-08-4-68-498-2
US-08-4-68-2-88-2
US-08-2-6-477-2
US-08-2-6-477-2
US-08-2-6-735-20
US-10-75-481A-2
US-08-4-68-2-88-3
US-10-76-735-20
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

ALIGNMENTS		T-US04-03765-2 Semience 2. Application PC/THS0403765	INFORMATION:	APPLICANT: Waldman, Scott A.	ANT: Pitari, Giovanni Mario				ANT: Lubbe, Wilhelm	TITLE OF INVENTION: The Use Of GCC Ligands	FILE REFERENCE: 08321-168 PC1	CURRENT APPLICATION NUMBER: PCT/US04/03765	CURRENT FILING DATE: 2004-02-10	PRIOR APPLICATION NUMBER: US 60/446,730	PRIOR FILING DATE: 2003-02-10	OF SEQ ID NOS: 56	SOFTWARE: FastSEQ for Windows Version 4.0	Ö 2
	SSULT 1	T-US04-03765-2	GENERAL INFORMATION:	APPLICANT: W	APPLICANT:	APPLICANT:	APPLICANT:	APPLICANT:	APPLICANT:	TITLE OF INV	FILE REFEREN	CURRENT APPL	CURRENT FILI	PRIOR APPLIC	PRIOR FILING	NUMBER OF SEQ ID	SOFTWARE: Fa	SEQ ID NO 2

Sequence 38, Appl Sequence 2, Appli Sequence 4, Appli Sequence 9, Appli Sequence 14, Appli Sequence 41, Appli Sequence 8, Appli

Sequence Sequence Sequence

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JS-08-468-449B-2
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100.0%; Score 19; DB 1; Length 19;
1 Similarity 100.0%; Pred. No. 8.5e-14;
19; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 19;
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                                                                                                                                                                                                                                                                                                                                                                                  Sequence 2. Application PC/TUS9412232
GENERAL INFORMATION:
APPLICANT: Waldman, Scott A.
TITLE OF INVENTION: Compositions That Specifically
TITLE OF INVENTION: Bind To Colorectal Cancer Cells
TITLE OF INVENTION: And Methods Of Using The Same
NUMBER OF SEQUENCES: 54
CORRESPONDENCE ADDRESS:
ADDRESSEE: Mocris
ADDRESSEE: Norris
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
100.0%; Score 19; DB 1;
Best Local Similarity 100.0%; Pred. No. 8.5e-14;
Matches 19; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: One Liberty Place, 46th Floor
CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 5.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/12232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRICE APPLICATION DATA:
APPLICATION NUMBER: 08/141,892
FILING DATE: 26-0CT-1993
CLASSIFFCATION:
PRIOR APPLICATION NUMBER: 08/305,056
FILING DATE: 13-5EP-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Deluca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TUU-1360
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3109
TNERORMATION OF 500 500 510 NO.
                                                                                                                                                                                                                                                              1 NNTFYCELCCNPACAGCY 19
                                                                                                                                                                                                                                          1 NNTFYCCELCCNPACAGCY 19
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                      TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear
MOLECULE TYPE: protein
                                                                                  OTHER INFORMATION: ST IA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pennsylvania
                                                                                                                                                   Query Match
Best Local Similarity
Matches 19; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19103
                                                                                                        PCT-US04-03765-2
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LENGTH: 19
                                                              FEATURE:
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GENERAL INFORMATION:
TITLE OF INFORMATION:
FILE REPERENCE: TUU-1588
CURRENT APPLICATION NUMBER: US/08/468,449B
CURRENT APPLICATION NUMBER: US/08/468,449B
CURRENT APPLICATION NUMBER: 08/141,892
PRIOR PILING DATE: 1993-10-26
NUMBER OF SEQ ID NOS: 54
SOFTWARE: Patentin version 3.1
SEQ ID NO 2
LENGTH: 19
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GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Of Using the Same
TITLE OF INVENTION: Of Using the Same
TITLE OF INVENTION: Of Using the Same
CORRESPONDENCE SOURCES: S4
CORRESPONDENCE Mashburn Kurtz Mackiewicz and Norris
STREET: One Liberty Place - 46th Floor
CORRESPONDENCE Pennsylvania
STRATE: Pennsylvania
COUNTRY: U.S.A.
ILP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch disk, 720 Kb
COMPUTER: IBM PC compatible
COMPUTER: Worderfect 5.1
CURRENT APPLICATION DATE:
APPLICATION NUMBER: US/09/263,477
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8.5e-14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 100.0%; Score 19; DB 8; Best Local Similarity 100.0%; Pred. No. 8.5e-14 Matches 19; Conservative 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRICE APPLICATION DATA:
APPLICATION NUMBER: 08/141,892
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Deluca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TJU-0903
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
COTHER INFORMATION: Novel Sequence
US-08-468-449B-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 NNTFYCCELCCNPACAGCY 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 NNTFYCCELCCNPACAGCY 19
                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; MOLECULE TYPE: protein US-09-263-477-2
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CLASSIFICATION:
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Gaps

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Length 19;

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NUMBER OF SEQUENCES: 56
CORRESPONDENCE ADDRESS:
ADDRESSE: Woodcock Washburn Kurtz Mackiewicz & Norris STRET: One Liberty Place, 46th Floor CITY: Philadelphia STATE: Pennsylvania COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 2, Application US/10621684
Sequence 2, Application US/10621684
GENERAL INFORMATION:
APPLICANT: Waldman, Scott A.
TITLE OF INVENTION: ST Receptor Binding Compounds and
Methods of Using the Same
                                                                                                                                                                                                         Query Match 100.0%; Score 19, DB 21; Best Local Similarity 100.0%; Pred. No. 8.5e-14; Matches 19; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 19; DB 32;
illarity 100.0%; Pred. No. 8.5e-14;
Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows
SOFTMARE: WordPerfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/621,684
FILING DATE: 17-Jul-2003
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/08/583,447A FILING DATE: 05-JAN-1996
APPLICATION NUMBER: US 08/141,892 FILING DATE: 26-OCT-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: DeLuca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TJU-1702
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                                             1 NNTFYCCELCCNPACAGCY 19
                                                                                                                                                                                                                                                                                                   1 NNTFYCCELCCNPACAGCY 19
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         PRIOR FILING DATE: 1995-06-06
NUMBER OF SEQ ID NOS: 54
SOFTWARE: Patentin version 3.0
SEQ ID NO 2
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                                                                                                                   TYPE: PRT
CORGANISM: Homo sapiens
US-09-724-983-2
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Best Local Similarity
Matches 19; Conserv
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                                                                                                   LENGIH: 19
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GENERAL INFORMATION:
APPLICANT: Waldman, Scott A.
TITLE OF INVENTION: ST Receptor Binding Compounds and Methods of Using the Same FILE REFERNTE: TJU-2444
CURRENT APPLICATION NUMBER: US/09/724,983
CURRENT FILING DATE: 2000-11-28
                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSER: Woodcock Washburn Kurtz Mackiewicz & Norris STREET: One Liberty Place, 46th Floor CITY: Philadelphia
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         Length 19;
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                                                                                                                                                                                                                              3-09-263-4778-2
Sequence 2, Application US/09263477A
GENERAL INFORMATION:
APPLICANT: Waldman, Scott A.
TITLE OF INVENTION: ST Receptor Binding Compounds and
Methods of Using the Same
                                                Indela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
    Score 19; DB 16;
Pred. No. 8.5e-14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: WordPerfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,477A
FILING DATE: 05-Mar-1999
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/08/583,447A FILING DATE: 05-JAN-1996 APPLICATION NUMBER: US 08/141,892 FILING DATE: 26-OCT-1993 ATTORNEY/AGENT INFORMATION:
                                                0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: 33,229
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TJU-1702
TELECOMMUNICATION INFORMATION:
TELEFAX: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-263-477A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: 08/468,449
                                                                                                                   1 NNTFYCCELCCNPACAGCY 19
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Query Match
Best Local Similarity 100.0%;
Matches 19; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STATE: Pennsylvania
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: DeLuca, Mark
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.
Matches 19; Conservative
                                                                                                                                                                                                RESULT 5
US-09-263-477A-2
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Length 19;

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APPLICANT: Mahajan-Miklos, Shalina
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE
TITLE OF INVENTION: TREATMENT OF GASTROINTESTINAL DISORDERS
FILE REPERBANCE: 14164-043001
CURRENT APPLICATION NUMBER: US/10/796,719
CURRENT FILING DATE: 2004-01-28
PRIOR APPLICATION NUMBER: US 60/443,098
PRIOR PILING DATE: 2003-01-28
PRIOR APPLICATION NUMBER: US 60/471,288
PRIOR APPLICATION NUMBER: US 60/471,288
PRIOR APPLICATION NUMBER: US 60/519,460
PRIOR FILING DATE: 2003-05-15
PRIOR FILING DATE: 2003-01-12
NUMBER OF SEQ ID NOS: 149
SOFTWARE: FREUSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 19; DB 33; Length 72; 100.0%; Pred. No. 2.2e-13;
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Pred. No. 1.1e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 7, Application PC/TUS0403765
; General INPORMATION:
APPLICANT: Waldman, Scott A.
APPLICANT: Pitari, Giovanni Mario
APPLICANT: Park, Jason
APPLICANT: Schulz, Stephanie
APPLICANT: Schulz, Stephanie
APPLICANT: Molfe, Henry R.
APPLICANT: Molfe, Henry R.
APPLICANT: Molfe, Henry R.
APPLICANT: Molfe, Henry R.
APPLICANT: Nubbe, Wilhelm
TITLE OF INVENTION: The Use Of GCC Ligands
FILE REFERENCE: 08321-168 PC1
CURRENT FILING DATE: 2004-02-10
PRIOR APPLICATION NUMBER: US 60/446,730
PRIOR APPLICATION NUMBER: US 60/446,730
PRIOR APPLICATION NUMBER: US 60/446,730
NUMBER OF SEQ ID NOS: 56
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ IDN O 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
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GENERAL INFORMATION:
APPLICANT: Waldman, Scott A.
APPLICANT: Pitari, Giovanni Mario
APPLICANT: Park, Jason
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.0%; P:
Matches 18; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 NNTFYCCELCCNPACAGCY 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          54 NNTFYCCELCCNPACAGCY 72
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FEATURE:
COTHER INFORMATION: fragment
PCT-USO4-03765-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TYPE: PRT
; ORGANISM: Escherichia coli
US-10-796-719-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.
Matches 19; Conservative
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PCT-US04-03765-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ ID NO 20
LENGTH: 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 12
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WES-10-16 |

WES-10
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100.0%; Score 19; DB 33;
Best Local Similarity 100.0%; Pred. No. 8.5e-14;
Matches 19; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION; heat stable toxin peptide Ia
US-10-775-481A-2
                                    Sequence 2, Application US/10775481A
GENERAL INFORMATION:
APPLICANT: Waldman, Scott A.
APPLICANT: Pitari, Giovanni Mario
APPLICANT: Pitari, Giovanni Mario
APPLICANT: Park, Jason
APPLICANT: Wolfe, Henry
APPLICANT: Lubbe, Wilhelm
APPLICANT: Lubbe, Wilhelm
APPLICANT: Wolfe, Henry
APPLICANT: Wolfe, Henry
APPLICANT: Ubbe, Wilhelm
APPLICANT: Ubbe, Wilhelm
APPLICANT: Wolfe, Henry
APPLICANT: Wolfe, Wilhelm
GURRENT FILME BEFERCE: 08321-0168 USI
CURRENT FILME DATE: 2004-02-10
PRIOR APPLICATION NUMBER: US 60/446,730
SEQ ID NO 2
IENGTH: 19
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US-10-796-719-20
; Sequence 20, Application US/10796719
; GENERAL INFORMATION:
; APPLICANT: Currie, Mark G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 NNTFYCCELCCNPACAGCY 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Artificial Sequence
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ORGANISM: Escherichia coli
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Best Local Similarity 100.
Matches 19; Conservative
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GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Waldman, Scott A.
TITLE OF INVENTION: Compositions That Specifically
TITLE OF INVENTION: Bind To Colorectal Cancer Cells;
TITLE OF INVENTION: And Methods Of Using The Same
NUMBER OF SUCURNICS: 54
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
ADDRESSEE: Norris
STREET: One Liberty Place, 46th Floor
CITY: Philadelphia
         ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           94.7%; Score 18; DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 100.0%; Pred. No. 1.1
Matches 18; Conservative 0; Mismatches
                             SEE: Norris
: One Liberty Place, 46th Floor
Philadelphia
                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: ENDOY disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPorfect 5.0
CURRENT APPLICATION DATA:
PRIOR APPLICATION NUMBER: 08/141,892
FILING DATE: 26-OCT-1993
CLASSIFICATION:
PRIOR APPLICATION NUMBER: 08/141,892
FILING DATE: 26-OCT-1993
CLASSIFICATION NUMBER: 08/305,056
FILING DATE: 13-SEP-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: DeLuca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TJU-1360
TELEPHONE: 215-568-3100
TELEPAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: PCT/US94/12232
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: WordPerfect 5.0 CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: peptide
                                                                                                  STATE: Pennsylvania
COUNTRY: USA
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: USA
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TITLE OF INVENTION: Compositions That Specifically TITLE OF INVENTION: Bind To Colorectal Cancer Cell TITLE OF INVENTION: And Methods Of Using The Same
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Waldman, Scott A.
APPLICANT: Waldman, Scott A.
APPLICANT: Pitari, Giovanni Mario
APPLICANT: Park, Jason
APPLICANT: Schulz, Stephanie
APPLICANT: Wolfe, Henry R.
APPLICANT: Lubbe, Wilhelm
TITLE OF INVENTION: The Use Of GCC Ligands
FILE REFERENCE: 08321-168 Pc1
CURRENT APPLICATION NUMBER: Pc7/USO4/03765
CURRENT FILING DATE: 2004-02-10
FRIOR APPLICATION NUMBER: US 60/446,730
PRIOR FILING DATE: 2003-02-10
NUMBER OF SEQ ID NOS: 56
SOFTWARE: PSESEQ for Windows Version 4.0
SEQ ID NO 38
LENTH: 18
APPLICANT: Schulz, Stephanie
APPLICANT: Wolfe, Henry R.
APPLICANT: Lubbe, Wilhelm
FILE OP INVENTION: The Use of GCC Ligands
FILE REFERENCE: 08321-168 PCI
CURRENT APPLICATION NUMBER: PCT/USO4/03765
CURRENT FILING DATE: 2004-02-10
PRIOR PILING DATE: 2003-02-10
                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 56
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 13
LENGTH: 18
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                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: fragment
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Matches 18; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                         PCT-US04-03765-13
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Length 18;

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Query Match

94.7%; Score 18; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.1e-12;
Matches 18; Conservative 0; Mismatches 0; Indels
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION DATA:
FILING DATE: 26-OCT-1993
CLASSIFICATION:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/305,056
FILING DATE: 13-SEP-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Deluca, Mark
REFERENCE/DOCKET NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TJU-1360
TELECOMMUNICATION INFORMATION:
TELEPAX: 215-568-310
INFORMATION FOR SEQ ID NO: 13:
CEDURACE CHARACTERISTICS:
LENGTH: 18 amino acids
TYPE: amino acid
TOPOLOGY: linear
CHARACTER: peptide
CHARACTER: PEPTIGE: PEPTIGE
CHARACTER: PEPTIGE: PEPTIGE:
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Search completed: March 26, 2005, 17:39:59 Job time : 252.411 secs

Sequence 1401, App Sequence 7130, App Sequence 7130, App Sequence 6654, App Sequence 56816, A Sequence 56816, A Sequence 56816, A Sequence 34148, App Sequence 14210, A Sequence 14319, App Sequence 7128, App Sequence 250, App Sequence 250, App Sequence 250, App Sequence 679, App

PCT - 1803 - 06509 - 1401 US-10 - 863 - 332A - 357 US-10 - 867 - 657 - 6654 US-10 - 467 - 657 - 6654 US-10 - 467 - 657 - 6654 US-10 - 450 - 763 - 56816 US-10 - 450 - 763 - 50515 US-10 - 467 - 657 - 34 US-10 - 467 - 657 - 24 US-10 - 467 - 657 - 24 US-10 - 467 - 657 - 7128 US-60 - 655 - 875 - 160464 US-60 - 655 - 875 - 160464

US-10-755-415-299

ALIGNMENTS

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GENERAL INCRARATION;
GENERAL INCRARATION;
APPELICANT: Balloul, Jean Marc
APPLICANT: Balloul, Stephane
APPLICANT: Balloul, Stephane
APPLICANT: Silvestre, Maichel
APPLICANTON: Poxvirus With Targeted Infection Specificity
FILE OF INVENTION: Poxvirus With Targeted Infection Specificity
FILE OF INVENTION: POxvirus With Targeted Infection Specificity
FILE OF INVENTION NUMBER: US/10/934,728
CURRENT FILING DATE: 2004-09-07
PRIOR APPLICATION NUMBER: US 60/246,080
PRIOR FILING DATE: 2000-011-07
PRIOR APPLICATION NUMBER: EP 0040109.7
PRIOR APPLICATION NUMBER: EP 01440009.7
PRIOR PILING DATE: 2001-01-12
NUMBER OF SEQ ID NOS: 52
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 94.7%; Score 18; DB 6; Length 18; Best Local Similarity 100.0%; Pred. No. 5.7e-15; Matches 18; Conservative 0; Mismatches 0; Indels
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US-09-787-082A-19
US-09-787-082A-19
SEQUENCE 19, Application US/09787082A
GENERAL INFORMATION:
APPLICANT: Craik, David James
APPLICANT: Dally, Norelle Lee
APPLICANT: Nalesen, Katherine Justine
TITLE OF INVENTION: CYCLISED CONOTOXIN PEPTIDES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-10-934-728-24
; Sequence 24, Application US/10934728
; GENERAL INFORMATION:
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Sequence 1392, Ap
Sequence 23, Appl
Sequence 12426, Ap
Sequence 17444, A
Sequence 1363, Ap
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3426, A
13426, A
1363, Ap
38920, A
8865, Ap
22, Appl
359, App
760, App
1884, Ap
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53057, A
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139258,
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                                                                                                               March 26, 2005, 17:21:06 ; Search time 22.7321 Seconds (without alignments) 48.589 Million cell updates/sec
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Sequence 3
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1: /cgn2 6/ptodata/1/paa/PCT NEW COMB.pep:*

2: /cgn2 6/ptodata/1/paa/US06 NEW COMB.pep:*

3: /cgn2 6/ptodata/1/paa/US07 NEW COMB.pep:*

4: /cgn2 6/ptodata/1/paa/US08 NEW COMB.pep:*

5: /cgn2 6/ptodata/1/paa/US08 NEW COMB.pep:*

6: /cgn2 6/ptodata/1/paa/US10 NEW COMB.pep:*

7: /cgn2 6/ptodata/1/paa/US11 NEW COMB.pep:*

8: /cgn2 6/ptodata/1/paa/US11 NEW COMB.pep:*
             GenCore version 5.1.6
(c) 1993 - 2005 Compugen Ltd.
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US-09-787-082A-19
US-011-066-697-1336
US-11-066-697-1336
US-01-450-763-32426
US-01-450-763-32426
US-01-450-763-32426
US-10-467-657-8852
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US-10-467-657-8844
US-10-467-657-8844
US-10-467-657-131811
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Maximum DB seq length: 200000000
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Match Length
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Gaps

us-10-775-481a-2.olig.rapn

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TITLE OF INVENTION: PROTECTION OF ENDOCENOUS THERAPEUTIC PEPTIDES FROM
TITLE OF INVENTION: PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD
TITLE OF INVENTION: COMPONENTS
TITLE OF INVENTION: COMPONENTS
TITLE OF INVENTION: COMPONENTS
TITLE OF INVENTION TO BLOOD
CURRENT APPLICATION NUMBER: US/11/066,697
CURRENT FILING DATE: 2005-02-25
PRIOR APPLICATION NUMBER: 09/657,276
PRIOR PLING DATE: 1099-09-07
PRIOR PLING DATE: 1099-10-05
PRIOR PLING DATE: 1999-10-15
NUMBER: 60/159,783
PRIOR FILING DATE: 1999-10-15
NUMBER: PATENTION NUMBER: 60/159,783
PRIOR FILING DATE: 1999-10-15
SOFTWARE: PATENTING NOW: 1617
SEQ ID NO: 1332
LENGTH: 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Description of Artificial Sequence: Synthetic COTHER INFORMATION: Peptide US-11-066-697-1392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 19;
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TITLE OF INVENTION: NOVEL NUCLBIC ACIDS AND POLYPEPTIDES
FILE REPERBNCE: 790CTP3/US
CURRENT APPLICATION NUMBER: US/10/450,763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 23, Application US/09787082A
GENERAL INFORMATION:
APPLICANT: Craik, David James
APPLICANT: Daly, Norelle Lee
APPLICANT: Daly, Norelle Lee
TILE OF INVENTION: CYCLISED CONOTOXIN PEPTIDES
TILE REPRENCE: DAVI-0005
CURRENT FILING DATE: 2001-06-14
PRIOR PELICATION NUMBER: PCT/AU99/00769
PRIOR FILING DATE: 1999-09-14
PRIOR FILING DATE: 1998-09-14
NUMBER OF SEQ ID NOS: 29
SOFTWARE: PALENTING DATE: 1998-09-14
NUMBER OF SEQ ID NOS: 29
SOFTWARE: PALENTING DATE: 1998-09-14
NUMBER OF SEQ ID NOS: 29
SOFTWARE: PALENTING DATE: 1998-09-14
NUMBER OF SEQ ID NOS: 29
SOFTWARE: PALENTING DATE: 1998-09-14
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100.0%; Pred. No. 0.68;
ive 0; Mismatches
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100.0%; Pred. No.
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; Sequence 32426, Application US/10450763
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
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Matches 6; Conservative
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Best Local Similarity 100.
Matches 6; Conservative
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; ORGANISM: Conus striatus
US-09-787-082A-23
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APPLICANT: Bridon, Dominique P.
APPLICANT: Bridon, Dominique P.
APPLICANT: Bridon, Dominique P.
APPLICANT: Bridon, Dominique P.
APPLICANT: Bridon, Alam M.
APPLICANT: Holmes, Darren L.
APPLICANT: Holmes, Darren L.
APPLICANT: Thibaudeau, Karen
TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES
TITLE OF INVENTION: COMPONENTS
TITLE OF INVENTION: COMPONENTS
TITLE OF INVENTION: COMPONENTS
TITLE OF INVENTION COMPONENTS
TITLE OF INVENTION OF ENDOGENOUS
FILE REFRENCE: 5006-202-35
CURRENT APPLICATION NUMBER: 10/10/3,406
PRIOR PELING DATE: 1999-09-10
PRIOR APPLICATION NUMBER: 60/159,783
PRIOR PELING DATE: 1999-10-15
NUMBER OF SEQ ID NOS: 1617
SOFTWARE: PRECEDING DATE: 1999-10-15
NUMBER OF SEQ ID NOS: 1617
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100.0%; Pred. No. 0.5;
cive 0; Mismatches
FILE REFERENCE: DAVI-0005

CURRENT APPLICATION NUMBER: US/09/787,082A

CURRENT FILING DATE: 2001-06-14

PRIOR APPLICATION NUMBER: PCT/AU99/00769

PRIOR FILING DATE: 1999-09-14

PRIOR FILING DATE: 1998-09-14

NUMBER OF SEQ ID NOS: 29

SOFTWARE: PATENTIN VEYBION 3.3

LENGTH: 13
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100.0%; Pred. No. 0.5
Live 0; Mismatches
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US-11-066-697-1392
Squence 1392, Application US/11066697
GENERAL INFORMATION:
APPLICANT: Bridon, Dominique P.
APPLICANT: Britin, Alan M.
APPLICANT: Milner, Peter G.
APPLICANT: Holmes, Darren L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                               ; TYPE: PRT
; ORGANISM: Conus geographus
US-09-787-082A-19
                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 100.
Matches 6; Conservative
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Best Local Similarity 100.
Matches 6; Conservative
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LENGTH: 13
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BRYANT, CATHERINE
CONNET, WARIE B.
EWERSON, SARAH JANE
FROST, MICHAEL J.
FORSTER, RICHARD LLEWELLYN SYDNEY
GRIGOR, WURRAY
HIGGINS, COLLEEN
LASHAM, ANNETTE
LUND, STEVEN TROY
MAGUSIN, ANDREAS
PHILLIPS, JONATHAN
PUTHIGAE, SATHIAH
VEERAKONE, STELLA
WESTROOD, CLAIRE
GAUSE, KATRINA
WOOD, MARION
                                                                                                                                                                                                                                                                                                                DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: HAVUKKALA, ILKKA
TITLE OF INVENTION: TANNSCRIPTION FACTORS
FILE REFERENCE: 044463-0296
CURRENT APPLICATION NUMBER: PCT/US04/17965B
CURRENT FILING DATE: 2004-06-07
PRIOR APPLICATION NUMBER: 60/476,189
PRIOR FILING DATE: 2003-06-06
NUMBER OF SEQ ID NOS: 3679
SOFTWARE: Patentin Ver. 3.2
LENGTH: 309
                         APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
TILLE CANTINION: TRANSCRIPTION FACTORS
TILLE REFERENCE: 044463-0296
CURRENT FILING DATE: 2004-06-07
PRIOR PRIOR APPLICATION NUMBER: 60/476,189
PRIOR APPLICATION NUMBER: 60/476,189
PRIOR FILING DATE: 2003-06-06
NUMBER: PATEMENT OF SEQ ID NOS: 3679
SEQ ID NO 1363
                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
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                                                                                                                                                                                                                                                                                                                  31.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                Query Match 31.6
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                              ; TYPE: PRT
; ORGANISM: Pinus radiata
PCT-US04-17965-1363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; ORGANISM: Pinus radiata
PCT-US04-17965B-1363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: ARBORGEN, LLC
                                                                                                                                                                                                                                                                                                                                                                                        7 CELCCN 12
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APPLICANT:
APPLICANT:
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US-60-643-717-17444
US-60-643-717-17444, Application US/60643717
; Sequence 17444, Application US/60643717
; GENERAL INFORMATION: Genes and Uses for Plant Improvement
; TITLE OF INVENTION: Genes and Uses for Plant Improvement
; TILE REFERENCE 33-21(53629)A
; CURRENT APPLICATION NUMBER: US/60/643,717
; CURRENT FILING DATE: 2005-01-12
; NUMBER OF SEQ ID NOS: 19247
; LENGTH: 172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 31.6%; Score 6; DB 8; Length 172; 100.0%; Pred. No. 4.2; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                  Length 98;
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BRYANT, CATHERINE
CONNETT, MARIE B.
EMERSON, SARAH JANE
FROST, MICHARL J.
FORSTER, RICHARD LLEWELLYN SYDNEY
GRIGOR, MURRAY
HIGGINS, COLLEEN
LUND, STEVEN TROY
MAGUSIN, ANDREAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: unsure; LOCATION: (1)..(172); OTHER INFORMATION: unsure at all Xaa locations
US-60-643-717-17444
                                                                                                                                                                                                                                                                                                   0; Mismatches
           PRIOR APPLICATION NUMBER: PCT/USO1/08631
PRIOR FILING DATE: 2001-03-30
PRIOR FILING DATE: 2000-03-31
PRIOR FILING DATE: 2000-03-31
PRIOR PILING DATE: 2000-03-31
PRIOR PILING DATE: 2000-08-23
NUMBER OF SEQ ID NOS: 60736
SOFTWARE: Custom
SEQ ID NO 32426
LENGTH: 98
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GENERAL INFORMATION:
APPLICANT: ARBORGEN, LLC
 2003-06-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PHILLIPS, JONATHAN PUTHIGAE, SATHIAH VEERAKONE, STELLA WESTWOOD, CLAIRE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ouery Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                           TYPE: PRT
ORGANISM: Homo sapiens
US-10-450-763-32426
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Glycine max
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12 NPACAG 17
                                                                                                                                                                                                                                                                                                                                                        86 FYCCEL 91
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CURRENT FILING DATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Artificial Sequence
ORGANISM: SMEATURE:
OTHER INFORMATION: Description of Artificial Sequence: hFSH derived
OTHER INFORMATION: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: CHIRON SpA
APPLICANT: PONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REPERENCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 26.3%; Score 5; DB 6; Best Local Similarity 100.0%; Pred. No. 16; Matches 5; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26.3%; Sco...
100.0%; Pred. No. ...
                                                                                                                                                                                                   APPLICANT: SLOOTSTRA, JELLE W.
APPLICANT: DIJK VAN, EVERT
APPLICANT: DIJK VAN, EVERT
APPLICANT: DIJK VAN, EVERT
APPLICANT: DIJK, VAN, EVERT
STILE REFERENCE: 2004-1007
CURRENT APPLICATION NUMBER: US/10/203,969B
CURRENT FILING DATE: 2002-11-25
PRIOR FILING DATE: 2002-03-16
PRIOR FILING DATE: 2000-03-16
PRIOR FILING DATE: 2000-03-16
NUMBER OF SEQ ID NOS: 668
SOFTWARE: PATENTING DATE: 2000-02-16
NUMBER OF SEQ ID NOS: 668
SOFTWARE: PATENTING DATE: 2000-02-16
NUMBER OF SEQ ID NOS: 668
SOFTWARE: PATENTING DATE: 2000-03-16
NUMBER OF SEQ ID NOS: 668
SOFTWARE: PATENTING DATE: 2000-03-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 7414
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 7414, Application US/10467657
GENERAL INFORMATION:
                                                                                                                                                         Sequence 22, Application US/10203969B GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-7414
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; NAME/KEY: THIOETH
; LOCATION: (15)..(16)
US-10-203-969B-22
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Best Local Similarity
Matches 5; Conserv
13 PACAG 17
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                                           2 PACAG 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION: (4839)..(4849)
OTHER INFORMATION: w KINASE ALPHA ADHESION T-CELL domain identified by eMATRIX,
OTHER INFORMATION: accession number DM00179, p-value=1.000e-10, raw score of 13.97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
NAME/KEY: DOMAIN

LOCATION: (628) .. (5251)

OTHER INFORMATION: Immunoglobulin domain identified by PFam, accession name ig,
OTHER INFORMATION: E-value=1.4e-114, PFam score of 374.2
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APPLICANT: FONTANA Maria Rita
APPLICANT: FONTANA Maria Rita
APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
CURRENT FILING DATE: 2003-08-11
PRIOR PILICHO DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWing9, version 1.04
SEQ ID NO 8865
LENGTH: 28
                               Sequence 38920, Application US/10450763
; GENERAL INFORMATION:
    APPLICANT: Hyseq, Inc.
    TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
    FILE REFRENCE: 790C1P3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT APPLICATION NUMBER: DCT/US01/08631
; PRIOR APPLICATION NUMBER: 90/540,217
; PRIOR PILING DATE: 2000-03-31
; PRIOR FILING DATE: 2000-03-31
; RIOR FILING DATE: 2000-03-31
; RIOR FILING DATE: 2000-03-31
; SOFTWARE: CUSCON
; SEQ ID NO 38920
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 5266;
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; Pred. No. 69;
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Best Local Similarity 100.0%; Pred. No. 14;
Matches 5; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 31.6%; Score 6; DB 6
Best Local Similarity 100.0%; Pred. No. 69;
Matches 6; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 8865, Application US/10467657; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-8865
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: misc_feature
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US-10-467-657-8865
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                                                                                                                                                                                         GENERAL LINCATALION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: 143 Human Secreted Proteins
FILE REPERENCE: PS500P1

CURRENT APPLICATION NUMBER: US/10/863,332A

CURRENT FILING DATE: 2004-06-09

PRIOR PILING DATE: 2001-11-08

PRIOR PILING DATE: 2000-05-11

PRIOR FILING DATE: 2000-05-11

PRIOR FILING DATE: 2000-05-11

PRIOR PILING DATE: 2000-05-11

PRIOR FILING DATE: 1999-05-13

NUMBER OF SEQ ID NOS: 456

SOFTWARE PAPELICATION NUMBER: US 60/134,068

NUMBER OF SEQ ID NOS: 456

SEQ ID NO 359

LENGTH: 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 15
US-10-472-963-760

Sequence 760, Application US/10472963
GENERAL INFORMATION:
TITLE OF INVENTION:
TITLE OF INVENTION: Human Secreted Proteins
FILE REFERENCE: PS954PCT
CURRENT APPLICATION NUMBER: US/10/472,963
CURRENT FILING DATE: 2003-09-25
PRIOR PILING DATE: 2003-09-26
PRIOR PILING DATE: 2001-09-27
PRIOR FILING DATE: 2001-09-12
PRIOR APPLICATION NUMBER: US 60/278,650
PRIOR FILING DATE: 2001-09-12
PRIOR APPLICATION NUMBER: US 09/950,082
PRIOR PILING DATE: 2001-09-12
PRIOR PILING DATE: 2001-09-12
PRIOR FILING DATE: 2001-09-12
                                                                                   RESULT 14
US-10-863-332A-359
; Sequence 359, Application US/10863332A
; GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
CORGANISM: Homo sapiens
US-10-863-332A-359
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ORGANISM: Homo sapiens
US-10-472-963-760
21 PACAG 25
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Gaps

Search completed: March 26, 2005, 17:41:18 Job time : 23.7321 secs

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Description

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PCT-US01-41759A-289
PCT-US04-0164A-93
PCT-US04-05047-80
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PCT-US04-05047-81
US-08-468-449B-31
US-08-263-477A-3
US-09-263-477A-3
US-09-263-477A-3
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US-09-263-477A-3
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US-09-263-477A-24
US-09-263-477A-24
US-09-263-477A-24
US-09-263-477A-24
US-09-263-477A-24
                                Length
  Query
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     Result
No.
                                                                                                                                                              March 26, 2005, 17:16:51 ; Search time 218.179 Seconds (without alignments) 88.270 Million cell updates/sec
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1: /cgn12 6/ptodata/1/paa/BCTUS COMB.pep:*

2: /cgn2 6/ptodata/1/paa/USO6 COMB.pep:*

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5: /cgn2 6/ptodata/1/paa/USO81_COMB.pep:*

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18: /cgn2 6/ptodata/1/paa/USO94_COMB.pep:*

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19: /cgn2 6/ptodata/1/paa/USO94_COMB.pep:*

10: /cgn2 6/ptodata/1/paa/USO96_COMB.pep:*

10: 
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6959266 segs, 1168006243 residues
                                                                                                           - protein search, using sw model
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Maximum DB seq length: 200000000
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18
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                                                                                                                                                                                                                                                                                                                    Perfect score:
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                                                                                                              OM protein
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                                                                                                                                                                                                                                                                                                                                               Sequence:
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Sequence 289, Apple Sequence 31, Appli Sequence 289, Appli Sequence 289, Appli Sequence 281, Appli Sequence 231, Appli Sequence 241, Appl

ALIGNMENTS

Sequence 19,

Sequence

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APPLICANT: Birkett, Ashley J.
TITLE OF INVENTION: IMMUNOGENIC HBC CHIMER PARTICLES HAVING ENHANCED
TITLE OF INVENTION: STABLLITY
FILE NEFRENCE: 4564/83501 ICC-102.2 PCT
CURRENT FILING DATE: 2001-08-16
PRIOR FILING DATE: 2001-08-16
PRIOR FILING DATE: 2000-08-22
PRIOR FILING DATE: 2000-08-16
PRIOR FILING DATE: 2000-08-16
PRIOR FILING DATE: 2000-08-16
PRIOR FILING DATE: 2000-08-16
PRIOR FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 313
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 289
Sequence 289, Application PC/TUS0141759A GENERAL INFORMATION:
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Sequence 80, Application PC/TUS0405047

GENERAL INFORMATION:
APPLICANT: Pade, Martin
APPLICANT: Pade, Martin
APPLICANT: Schmidt, Annette Elisabeth
APPLICANT: Schmidt, Annette Elisabeth
TITLE OF INVENTION: CHRONIC HEPATITIS
FILE REFRENCE: 4554/91569
FILE REFRENCE: 4554/91569
CURRENT RILING DATE: 2004-02-20
PRIOR APPLICATION NUMBER: 10/677,074
PRIOR APPLICATION NUMBER: 10/677,074
PRIOR APPLICATION NUMBER: 10/372,076
PRIOR APPLICATION NUMBER: 10/372,076
PRIOR PILING DATE: 2003-10-01
PRIOR PILING DATE: 2003-22-21
NUMBER OF SEQ ID NOS: 308
SOFTWARE: PatentIn version 3.2
SEQ ID NOS

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                                              Indels
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GENERAL INFORMATION:
TITLE OF INVENTION:
TITLE OF INVENTION: Bind To Colorectal Cancer Cells
TITLE OF INVENTION: Bind To Colorectal Cancer Cells
TITLE OF INVENTION: And Methods Of Using The Same
NUMBER OF SEQUENCES: 54
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wordeck Washburn Kurtz Mackiewicz & ADDRESSEE: Nordecok Washburn Kurtz Wackiewicz & CITY: Philadelphia
STREET: Peninsylvania
       Best Local Similarity 100.0%; Pred. No. 8.7e-13; Matches 18; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      . 8.7e-13;
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APPLICATION NUMBER: PCT/US94/12232
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 5.0
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PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 08/141,892
FILING DATE: 26-OCT-1993
CLASSIFICATION:
PRIOR APPLICATION DATA:
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                                                                                                                                                                 1 NTFYCCELCCYPACAGCN 18
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ORGANISM: Escherichia coli
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Best Local Similarity 100.
Matches 18; Conservative
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APPLICANT: ASHLEY, BIRKETT J.

APPLICANT: ASHLEY, BIRKETT J.

APPLICANT: ASHLEY, BIRKETT J.

APPLICANT: JOONS, KATE-JUNE J.

APPLICANT: JOY, Haron J.

TITLE OF INTENTION STABILIZED INMUNGENIC HBC CHIMER PARTICLES

FILE REFERENCE: ICC-13, ODCT (4564-91156)

CURRENT APPLICATION NUMBER: PCT/US03/39164A

CURRENT APPLICATION NUMBER: PCT/US03/39164A

PRIOR APPLICATION NUMBER: PCT/US03/05196

PRIOR PILING DATE: 2003-12-10

PRIOR FILING DATE: 2003-12-10

PRIOR FILING DATE: 2003-02-20

NUMBER OF SEQ ID NOS: 455

SOFTWARE: PATENTIN VARIAND 3.2

SEQ ID NOS: 455

SEQ ID NOS: 455

SEQ ID NOS: 455
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                                                                                                                                                                                Query Match
100.0%; Score 18; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 8.7e-13;
Matches 18; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 8.7e-13;
Matches 18; Conservative 0; Mismatches 0; Indels
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APPLICANT: Pitari, Giovanni Mario
APPLICANT: Schulz, Stephanie
APPLICANT: Schulz, Stephanie
APPLICANT: Wolfe, Henry R.
APPLICANT: Lubbe, Wilhelm
TITLE OF INVENTION: The Use Of GCC Ligands
FILE REFRENCE: 09321-168 PCT.
CURRENT APPLICATION NUMBER: PCT/USO4/03765
CURRENT FILING DATE: 2004-02-10
PRIOR APPLICATION WIMBER: US 60/446,730
PRIOR FILING DATE: 2003-02-10
NUMBER OF SEQ ID NOS: 56
NUMBER OF SEQ ID NOS: 56
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GENERAL INFORMATION:
APPLICANT: Waldman, Scott A.
APPLICANT: Pitari, Giovanni Mario
                                                                                                                                                                                                                                                                                                                                   1 NTFYCCELCCYPACAGCN 18
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                                                                         : Escherichia coli
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PCT-US04-03765-3
                                  ; TYPE: PRT
; ORGANISM: Esche:
PCT-US01-41759A-289
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LENGTH: 18
TYPE: PRT
LENGTH: 18
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NUMBER OF SEQUENCES: 56
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris
STREET: One Liberty Place, 46th Floor
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GENERAL INFORMATION:
APPLICANT: Waldman, Scott A.
TITLE OF INVENTION: ST Receptor Binding Compounds and
Methods of Using the Same
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 18; DB 16;
Pred. No. 8.7e-13;
; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMBUTER: IBM PC COMPATIBLE
COMBUTER: IBM PC COMPATIBLE
SOFTWARE: WordPerfect 6.1
CURENT APPLICATION DATA:
FILING DATE: 05-Mar-1999
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/08/583,447A FILING DATE: 05-JAN-1996 APPLICATION UNMBER: US 08/141,892 FILING DATE: 26-OCT-1993 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: TJU-1702
  MEDIUM TYPE: 3.5 inch disk, 720 Kb
COMPUTER: IBM PC compatible
                                                               SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,477
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REGISTRATION NUMBER: 33,229
                                           OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                   CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/141,892
                                                                                                                                                                                                               FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: DELUCA, Mark
REGISTRATION NUMBER: 33,229
REFRENCE/DOCKET NUMBER: TJU-(TELECOMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3139
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Best Local Similarity 100.0%;
Matches 18; Conservative 0
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COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Flopp
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                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 18 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                             amino acid
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Sequence 3, Application US/08468449B
GENERAL INFORMATION:
APPLICANT: Waldman, Scott A.
TILLE OF INVENTION: ST Receptor Binding Compounds And Methods Of Using The Same
TILLE OF INVENTION: ST Receptor Binding Compounds And Methods Of Using The Same
CURRENT FILING DATE: 1995-06-06
PRIOR PILING DATE: 1993-10-26
NUMBER OF SEQ ID NOS: 54
SOFTWARE: Patentin version 3.1
SEQ ID NO 3
LENGTH: 18
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CORRESPONDENCE ADDRESS:
ADDRESSE: Woodcock Washburn Kurtz Mackiewicz and Norris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: Pennsylvania
COUNTRY: U.S.A.
ZIP: 19103
COMPUTER READABLE FORM:
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Pred. No. 8.7e-13;
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100.0%; Pred. No. 8.7e-13
tive 0; Mismatches 0
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100.0%; Score 18; DB
Best Local Similarity 100.0%; Pred. No. 8.7
Matches 18; Conservative 0; Mismatches
                                                                                                                                   TJU-1360
APPLICATION NUMBER: 08/305,056
FILING DATE: 13-SEP-1994
                         TILING UATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: DeLuca, Mark
REGISTRATION UNDBER: 33,229
REFERENCE/DOCKET NUMBER: TJU-1
TELECOMMUNICATION INFORMATION:
TELEFAX: 215-568-3100
TELEFAX: 215-568-3100
TELEFAX: 215-568-3100
TELEFAX: 215-568-3100
TELEFAX: 188 AMINO 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 AMINO acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.0
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                     PCT-US94-12232-3
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US-09-263-477-3
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Length 18;

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US-10-372-076-80
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| Sequence 3, Application US/09724983
| GENERAL INFORMATION:
| APPLICANT: Waldman, Scott A. |
| TITLE OF INVENTION: ST Receptor Binding Compounds and Methods of Using the Same | TITLE OF INVENTION: ST Receptor Binding Compounds and Methods of Using the Same | CURRENT APPLICATION NUMBER: US/09/724,983 | CURRENT FILING DATE: 2000-11-28 | PRIOR APPLICATION NUMBER: 08/468,449 | PRIOR APPLICATION NUMBER: 08/468,449 | PRIOR ELLING DATE: 1995-06-06 | NUMBER OF SEQ ID NOS: 54 | SEQ ID NO 3 | SEQ ID NO 3 | SEQ ID NO 3 | LENGTH: 18
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TITLE OF INVENTION: INVUNIOSENIC HBC CHIMER PARTICLES HAVING ENHANCED
TITLE OF INVENTION: STABILITY
TITLE OF INVENTION: STABILITY
TITLE OF INVENTION: STABILITY
FILE REFERENCE: 4564/83501 ICC-102.2 PCT
CURRENT APPLICATION NUMBER: US/09/930,915A
CURRENT APPLICATION NUMBER: 60/226,867
PRIOR PILING DATE: 2000-08-12
PRIOR FILING DATE: 2000-08-16
NUMBER OF SEQ ID NOS: 313
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 289
LENTH: 18
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                                                                                                                                                  Length 18;
                                                                                                                                                                                          Indels
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                                                                                                                                              Query Match
100.0%; Score 18; DB 16;
Best Local Similarity 100.0%; Pred. No. 8.7e-13;
Matches 18; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
LENGTH: 18 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Sequence 289, Application US/09930915A; GENERAL INFORMATION:
                                                                                                                                                                                                                                                          1 NTFYCCELCCYPACAGCN 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 NTFYCCELCCYPACAGCN 18
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Best Local Similarity 100.0
....hea 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; ORGANISM: Escherichia coli
US-09-930-915A-289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
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ORGANISM: Homo sapiens
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Matches 18; Conserv
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US-09-930-915A-289
                                                                                                        US-09-263-477A-3
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Sequence 79, Application US/10082014
GENERAL INFORMATION:
APPLICANT: Birkett, Ashley J.
TITLE OF INVENTION: IMMUNOGENIC HBC CHIMER PARTICLES STABILIZED WITH AN N-TERMINAL CYS.
FILE REFERENCE: ICC-130.0 4564/85124
CURRENT APPLICATION NUMBER: US/10/082,014
CURRENT APPLICATION NUMBER: 09/930,915
PRIOR APPLICATION NUMBER: 09/930,915
PRIOR PILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 290
SOFTWARE: Patentin version 3.1
SEQ ID NO 79
LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-372-076-80

US-10-372-076-80

Sequence 80, Application US/10372076

GENERAL INFORMATION:

APPLICANT: Priede, Martin

TITLE OF INVENTION: GHRONIC HEPATITIS

TITLE OF INVENTION: GHRONIC HEPATITIS

TITLE OF INVENTION: 4564/87179

CURRENT APPLICATION NUMBER: US/10/372,076

CURRENT PILING DATE: 2003-02-21

PRIOR APPLICATION NUMBER: 10/080,299

PRIOR FILING DATE: 2002-02-21

PRIOR APPLICATION NUMBER: 10/080,014

PRIOR FILING DATE: 2002-02-21

NUMBER OF SEQ ID NOS: 308

SOFTWARE: Patentin version 3.2

LENGTH 18
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris
STREET: One Liberty Place, 46th Floor
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GENERAL INFORMATION:
APPLICANT: Waldman, Scott A.
TITLE OF INVENTION: ST Receptor Binding Compounds
Methods of Using the Same
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 18; DB 29;
Pred. No. 8.7e-13;
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Best Local Similarity 100.0%;
Matches 18; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                   ; TYPE: PRT
; ORGANISM: Escherichia coli
US-10-082-014-79
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Search completed: March 26, 2005, 17:39:59 Job time : 238.179 secs
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US-10-732-862A-93
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APPLICANT: Page, Mark
APPLICANT: Friede, Markin
APPLICANT: Stobmidt, Annette Elisabeth
APPLICANT: Stobmidt, Annette Elisabeth
APPLICANT: Stobmidt, Annette Elisabeth
TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR
TITLE OF INVENTION: CHRONIC HEPATITIS
TITLE OF INVENTION UNMBER: US/10/677,074
CURRENT APPLICATION NUMBER: 10/372,076
PRIOR APPLICATION NUMBER: 10/080,299
PRIOR PILING DATE: 2002-02-21
PRIOR PAPLICATION NUMBER: 10/082,014
PRIOR PLING DATE: 2002-02-21
PRIOR PELING DATE: 2002-02-22
NUMBER OF SEQ ID NOS: 308
SOFTWARE: Patentin version 3.2
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                                                                                                                                                                        MEDIUM TYPE: Floppy dler.

COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows
SOFTWARE: WordPerfect 6.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/621,684
FILING DATE: 17-Ju1-2003
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US/08/583,447A
FILING DATE: 05-JAN-1996
APPLICATION NUMBER: US 08/141,892
FILING DATE: 26-0CT-1993
ATTORNEY/AGENT INFORMATION:
NAME: Deluca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TJU1-1702
TELEPHONE: 215-568-3499
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
INFORMATION FOR SEQ ID NO: 3:
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                                                                                                     ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 80, Application US/10677074 GENERAL INFORMATION:
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CITY: Philadelphia
STATE: Pennsylvania
COUNTRY: USA
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Best Local Similarity 100.0
Matches 18; Conservative
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ORGANISM: Escherichia coli
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Best Local Similarity 100.
Matches 18; Conservative
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Gaps
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Sequence 93, Application US/10732862A

GENERAL INFORMATION:
APPLICANT: Lyons, Katelynne J.
APPLICANT: Lyons, Katelynne J.
TITLE OF INVENTION: STABILIZED IMMUNOGENIC HBC CHIMER PARTICLES
CURRENT FILING DATE: 2003-12-10
PRIOR APPLICATION NUMBER: US 10/032,123
PRIOR PILING DATE: 2002-12-10
PRIOR PILING DATE: 2002-02-21
PRIOR APPLICATION NUMBER: US 10/080,299
PRIOR FILING DATE: 2002-02-21
PRIOR PILING DATE: 2002-02-21
PRIOR PILING DATE: 2002-02-21
SHOR PILING DATE: 2002-02-21
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1 NTFYCCELCCYPACAGCN 18
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93, Appl 93, Appl 54394, A

Sequence Seq

47100,

56816, A 12167, A 17444, A 882, App 95, Appl

Sequence 34148, A Sequence 14210, A Sequence 46391, A Sequence 99, Appl

Sequence Sequence

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US-10-934-728-24

Sequence 24, Application US/10934728

GENERAL INFORMATION:
APPLICANT: Balloul, Jean Marc
APPLICANT: Balloul, Jean Marc
APPLICANT: Balloul, Jean Marc
APPLICANT: Bross Philippe
ITILE OF INVENTION: Poxvirus With Targeted Infection Specificity
CURRENT FILING DATE: 2004-09-07
FRIOR PILING DATE: 2001-04-14
PRIOR PILING DATE: 2001-04-14
PRIOR PILING DATE: 2000-04-14
PRIOR FILING DATE: 2001-01-22
NUMBER: Page SEQ ID NOS: 52
SOFTWARE: Fage SEQ FOR Windows Version 4.0
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10-450-763-32426
SEQUENCE 3-32426
SEQUENCE 3-426, Application US/10450763
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES;
FILE REFERENCE: 79001P3/US
CURRENT APPLICATION NUMBER: US/10/450,763
US-10-450-763-32415
US-11-467-657-6654
US-11-046-644-101
US-11-046-644-101
US-11-046-644-100
US-11-046-644-3
US-11-046-644-3
US-11-046-644-3
US-11-046-644-3
US-11-046-644-39
US-11-031-175-12167
US-60-64-717-1744
US-10-450-657-88
US-11-046-644-95
US-11-046-644-99
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8865, Ap
8865, Ap
1359, App
760, App
12070, App
1884, App
3322, Ap
6878, Ap
2148, Ap
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Sequence 32426, A
Sequence 126636,
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Appl
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                                                                                        March 26, 2005, 17:21:06; Search time 21.5357 Seconds (without alignments) 48.589 Million cell updates/sec
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1: /cgn2 6/ptodata/1/paa/PCT NEW COMB.pep:*

2: /cgn2 6/ptodata/1/paa/US07 NEW COMB.pep:*

3: /cgn2 6/ptodata/1/paa/US07 NEW COMB.pep:*

4: /cgn2 6/ptodata/1/paa/US08 NEW COMB.pep:*

5: /cgn2 6/ptodata/1/paa/US09 NEW COMB.pep:*

6: /cgn2 6/ptodata/1/paa/US10 NEW COMB.pep:*

7: /cgn2 6/ptodata/1/paa/US10 NEW COMB.pep:*

8: /cgn2 6/ptodata/1/paa/US11 NEW COMB.pep:*
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               GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd
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US-60-655-875-126636
US-10-450-763-38920
US-10-467-657-8865
US-10-467-657-7414
US-10-467-657-7414
US-10-467-657-7414
US-11-032-237-2070
US-11-032-237-24
US-10-467-657-1884
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US-10-456-763-53057
US-10-450-763-53057
US-10-450-763-43471
PCT-1803-05509-1401
US-10-66-3323-7357
US-10-66-332-7337
                                                                                                                                                                                                                                                                                           Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PCT-US05-02996-91
US-11-046-644-91
                                                                                                                                                                                                                                         260697 seqs, 58133403 residues
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                                                                 - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                               Post-processing: Listing first 45 summaries
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Gapop 60.0 , Gapext 60.0
                                                                                                                                                                      1 NTFYCCELCCYPACAGCN 18
                                                                                                                                                                                                                                                                                                                       seq length: 0
seq length: 200000000
                                                                                                                                           US-10-775-481A-3
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Match
                                                                                                                                                          Perfect score:
                                                                                                                                                                                                 Scoring table:
                                                                                                                                                                                                                                                                  Word size :
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                                                                                                                                                                                                                                                                                                                                                                                          Database :
                                                                                                                                                                         Sequence:
                                                                                           Run on:
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OTHER INFORMATION: -67,116-189,251-503,570-664,716-850,920-1144,1260-1365,1458-1549
FEATURE: OTHER INFORMATION: -67,116-189,251-503,570-664,716-850,920-1144,1260-1365,1458-1549
FEATURE: OTHER INFORMATION: Homolog annotation: Hit ID=NP 508783.1; Match level="QueryCoverage"; OTHER INFORMATION: -89%, HitCoverage=56%, E-value=6e-98, Identity=53%"; Hit descripting OTHER INFORMATION: -AMmonium Transporter homolog (61.1 kD) (ant-4) [Caenorhabditis US-60-655-875-131018
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (4839). (4849)
CTHER INFORMATION: w KINASE ALPHA ADHESION T-CELL domain identified by eMATRIX,
OTHER INFORMATION: accession number DM00179, p-value=1.000e-10, raw score of 13.97
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (628)..(5251)
OTHER INFORMATION: E-value=1.4e-114, PPam score of 374.2
                            LU, Maolong
APPLICANT: McCarter, James
APPLICANT: Miller, Nancy
APPLICANT: Williams, Deryck
APPLICANT: Williams, Deryck
APPLICANT: Williams, Mark
APPLICANT: Wu, Wei
TITLE OF INVENTION: METHODS FOR GENETIC CONTROL OF HETERODERA INFESTATIONS
TITLE OF INVENTION: IN PLANTS AND COMPOSITIONS THEREOF
TITLE OF INVENTION: IN PLANTS AND COMPOSITIONS THEREOF
TURBENT APPLICATION NUMBER: US/60/655,875
CURRENT FILING DATE: 2005-02-24
NUMBER OF SEQ ID NOS: 171306
SEQ ID NO 131018
LENGTH: 401
TYPE:
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GENERAL INVENTION:

APPLICANT: Hyseq, Inc.

TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

FILE REFERENCE: 790C193/US

CURRENT APPLICATION NUMBER: US/10/450,763

CURRENT FILING DATE: 2003-06-11

PRIOR APPLICATION NUMBER: O9/540,217

PRIOR FILING DATE: 2001-03-30

PRIOR FILING DATE: 2000-03-31

PRIOR FILING DATE: 2000-03-31

PRIOR FILING DATE: 2000-08-23

NUMBER OF SEQ ID NOS: 60736

SOFTWARE: CUSCOM

SEQ ID NO 38920

LENGTH: 5266
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                 Sequence 131018, Application US/60655875
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 38920, Application US/10450763 GENERAL INFORMATION:
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ORGANISM: Heterodera glycines
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Best Local Similarity
Matches 6; Conserv
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US-10-450-763-38920
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OTHER INFORMATION: -196,376-550,579-988
COTHER INFORMATION: -196,376-550,579-988
OTHER INFORMATION: Homolog annotation: Hit ID=CAE68613.1; Match level="QueryCoverage" OTHER INFORMATION: =87%, HitCoverage=42%, E-value=4e-43, Identity=41%"; Hit descript OTHER INFORMATION: =Hypothetical protein CBG14494 [Caenorhabditis briggsae]
OTHER INFORMATION: emb|CAE68611.1] Hypothetical protein CBG14492 [Cae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Guo, Liding
APPLICANT: Kovalic, David
APPLICANT: Kovalic, David
APPLICANT: Malong
APPLICANT: Miller, Nancy
APPLICANT: Miller, Nancy
APPLICANT: Williams, Deryck
APPLICANT: Williams
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LOCATION: (218)..(218)
OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 98;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            33.3%; Score 6; DB 6
100.0%; Pred. No. 2.1
tive 0; Mismatches
                            PRIOR APPLICATION NUMBER: PCT/USO1/08631
PRIOR FILING DATE: 2001-03-30
PRIOR FILING DATE: 2001-03-30
PRIOR FILING DATE: 2000-03-31
PRIOR PILING DATE: 2000-08-23
NUMBER OF SEQ ID NOS: 60736
SOFTWARE: Custom
LENGTH: 98
LENGTH: 98
       2003-06-11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 33.3
Best Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-32426
CURRENT FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                86 PYCCEL 91
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US-60-655:875-131018
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                                                                                                                                          Sequence 359, Application US/1086332A; GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 143 Human Secreted Proteins; FILE REFERENCE: PSSOOP1
CURRENT FILING DATE: 2004-06-09
REIOR APPLICATION NUMBER: US/09/986,480
PRIOR FILING DATE: 2001-11-08
PRIOR PELICATION NUMBER: US/09/986,480
PRIOR FILING DATE: 2000-05-11
PRIOR APPLICATION NUMBER: US 60/134,068
PRIOR FILING DATE: 1999-05-13
NUMBER OF SEQ ID NOS: 456
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 359
LIBNGTH: 34
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100.0%; Pred. No. 14;
tive 0; Mismatches
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GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Human Secreted Proteins
FILE REFERENCE: PS954PCT
CURRENT APPLICATION NUMBER: US/10/472,963
CURRENT FILING DATE: 2003-09-25
PRIOR APPLICATION NUMBER: PCT/US02/09370
PRIOR APPLICATION NUMBER: US 60/278,650
PRIOR APPLICATION NUMBER: US 60/278,650
PRIOR APPLICATION NUMBER: US 60/278,650
PRIOR FILING DATE: 2001-09-12
PRIOR FILING DATE: 2001-09-13
PRIOR FILING DATE: 2001-09-13
PRIOR FILING DATE: 2001-09-13
SEQ ID NOS: 1834
SOFTWARE: PATENTIN Ver. 2.0
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Best Local Similarity 100.
Matches 5; Conservative
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US-10-863-332A-359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
CORGANISM: Homo sapiens
US-10-472-963-760
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Best Local Similarity
Matches 5; Conserv
                                              21 PACAG 25
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US-10-467-657-2070
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                                                                                                           Length 5266
                                                                                                                                                     0; Indels
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                                                                                                                                                                                                                                                                                                                                       Sequence 8865, Application US/10467657
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: CHIRON SPA
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONGCI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 32;
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APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(5266)
; OTHER INFORMATION: Xaa = X or * as defined in Table 2
US-10-450-763-3820
                                                                                                         33.3%; Score 6; DB 6;
100.0%; Pred. No. 51;
tive 0; Mismatches
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100.0%; Pred. No. 12;
tive 0; Mismatches
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100.0%; Pred. No. 13;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 8865
LENGTH: 28
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CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
LENGTH: 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-467-657-7414; Sequence 7414, Application US/10467657; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT ORGANISM: Neisseria gonorrhoeae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-7414
                                                                                                         Query Match 33.3
Best Local Similarity 100.
Matches 6; Conservative
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Best Local Similarity 100.
Matches 5; Conservative
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Best Local Similarity 100.
Matches 5; Conservative
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TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
                CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR PLING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, Version 1.04
SEQ ID NO 1884
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 3322, Application US/10467657
GENERAL INFORMATION:
                                                                                                                                                                                                           ; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-1884
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; LENGTH: 55
; TYPE: PRT
: ORGANISM: Neisseria gonorrhoeae
US-10-467-657-3322
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Best Local Similarity 100.
Matches 5; Conservative
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Best Local Similarity 100.
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Sequence 34, Application US/11032232

GENERAL INFORMATION:
APPLICANT: KOPCHIK, Joseph, John
APPLICANT: Ohio University
ITILE OF INVENTION: GROWTH HORMONE-RECULATABLE LIVER GENES AND PROTEINS,
ITILE OF INVENTION: AND USES THEREOF
FILE REFERENCE: KOPCHIK-4A
CURRENT APPLICATION NUMBER: US/11/032,232
CURRENT FILING DATE: 2005-01-11
PRIOR APPLICATION NUMBER: PCT/USO9/12366
PRIOR FILING DATE: 2001-11-05
PRIOR FILING DATE: 2001-05-05
PRIOR FILING DATE: 1999-05-05
NUMBER OF SEQ ID NOS: 53
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 34
LENGTH: 46
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                                 APPLICANT: CHIRON SpA
APPLICANT: PONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Blisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
                                                                                                                                                                                                                                                                                                                                                                                                                               Length 44;
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Pred. No. 18;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                         27.8%; Score 5; DB 6;
100.0%; Pred. No. 17;
tive 0; Mismatches
                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 2070
LENGTH: 44
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US-10-467-657-1884
Sequence 1884, Application US/10467657
GENERAL INFORMATION:
APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASTGNANI Vega
APPLICANT: MASTGNANI Vega
APPLICANT: MONACI Elisabetta
Sequence 2070, Application US/10467657
                                                                                                                                                                                                                                                                                                                                        ; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-2070
                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 27.8
Best Local Similarity 100.
Matches 5; Conservative
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Best Local Similarity 100.
Matches 5; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       , ORGANISM: Mouse
US-11-032-232-34
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                                                                                                                                                                                                                                                                                                             APPLICANT: CHIRON SpA
APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rita
APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNAI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENT SPLICATION NUMBER: US/10/467,657
CURRENT APPLICATION NUMBER: GB-0103424.8
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqMin99, version 1.04
SEQ ID NO 3322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 6878, Application US/10467657

GENERAL INFORMATION:

APPLICANT: CHIRON SpA

APPLICANT: FOUTAM Maria Rita

APPLICANT: FOUTAM Mariagrazia

APPLICANT: PIZZA Mariagrazia

APPLICANT: MASIGNANI Vega

TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS

FILE REFERENCE:

CURRENT APPLICATION NUMBER: US/10/467,657

CURRENT FILING DATE: 2003-08-11

PRIOR PILING DATE: 2001-02-12

NUMBER OF SEQ ID NOS: 9218

SOFTWARE: SeqWin99, version 1.04

SEQ ID NO 6878
                                                        0; Indels
          Length 49;
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       DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27.8%; Score 5; DB 6;
100.0%; Pred. No. 20;
iive 0; Mismatches
27.8%; Score 5; DB 6, 100.0%; Pred. No. 19; tive 0; Mismatches
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Sequence 21-64.74

GENERAL INFORMATION:

APPLICANT: GITRON SpA

APPLICANT: FONTANA Maria Rita

APPLICANT: FONTANA Mariagrazia

APPLICANT: PIZZA Mariagrazia

APPLICANT: MASIGNANI Vega

APPLICANT: MONACI Elisabetta

TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS

FILE REPERENCE:

CURRENT APPLICATION NUMBER: US/10/467,657

CURRENT FILING DATE: 2003-08-11

PRIOR FILING DATE: 2001-02-12

NUMBER: OF SEQ ID NOS: 9218

SOFTWARE: SeqWing9, vergion 1.04

SEQ ID NO 2148

LENGTH: S6
                                                                                                        Query Match

27.8%; Score 5; DB 6; Length 55;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 5; Conservative 0; Mismatches 0; Indels
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27.8%; Score 5; DB 6; Length 56; Best Local Similarity 100.0%; Pred. No. 21;

Matches 5; Conservative 0; Mismatches 0; Indels
; LENGTH; 55
; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-6878
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TYPE: PRT
; ORGANISM: NeisBeria gonorrhoeae
US-10-467-657-2148
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US-10-467-657-2148
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Search completed: March 26, 2005, 17:41:18 Job time : 21.5357 secs

6 PACAG 10

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APPLICANT: Waldman. Scott A.
APPLICANT: Pitari, Giovanni Mario
APPLICANT: Park, Jason
APPLICANT: Schulz, Stephanie
APPLICANT: Schulz, Stephanie
APPLICANT: Wolfe, Henry R.
CURRENT APPLICANTON: The Use Of GCC Ligands
FILE REFERENCE: 08321-168 PCI
CURRENT APPLICATION NUMBER: 2004-02-10
FRIOR APPLICATION NUMBER: US 60/446,730
PRIOR FILING DATE: 2003-02-10
NUMBER: OF SEQ ID NOS: 56
SEQ ID NO 5
SEQ ID NO 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 5, Application PC/TUS0403765 GENERAL INFORMATION:
                        Length
Query
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  Result
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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Perfect score:
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Maximum DB
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Sequence 1, Sequence 2, Sequence 7, Sequence 1,

Sequence 31, Sequence 2, A Sequence 23,

Sequence 31,

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US-08-468-12232-5
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US-08-263-4778-5
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US-10-766-735-2
US-10-766-735-2

Sequence 27, Sequence 23, Bequence 20, Bequence 31, Bequence 31, Bequence 31, Bequence 31, Bequence 20, Beque

Sequence 2

Sequence

Sequence 5, Sequence 5, Sequence 5, Sequence 5, Sequence 5, Sequence 27, Sequence 2

Sequence 5, Sequence 5, Sequence 5,

Description

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Sequence 26, Appl Sequence 27, Appl Sequence 1, Appli

Sequence 27, Sequence 39, Sequence 40,

Sequence

Sequence 28, Sequence 28, Sequence 28,

ALIGNMENTS

Sequence 28, 1 Sequence 28, 1 Sequence 28, 1

Sequence 21,

Sequence 39, Sequence 40, Sequence 21,

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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Sequence 5, Application US/08468449B
SEGURIAN INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: ST Receptor Binding Compounds And Methods Of Using The Same
TITLE OF INVENTION: ST Receptor Binding Compounds And Methods Of Using The Same
CURRENT FILING DATE: 1995-06-06
CURRENT FILING DATE: 1993-10-26
RIOR FILING DATE: 1993-10-26
NUMBER OF SEQ ID NOS: 54
SSOFTWARE: PatentIn version 3.1
SEQ ID NO 5
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 5, Application US/09263477
GENERAL INFORMATION:
APPLICANT: Waldman, Scott A.
TITLE OF INVENTION: ST Receptor Binding Compounds and Methods
TITLE OF INVENTION: Of Using the Same
NUMBER OF SEQUENCES: 54
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz and Norris STREET: One Liberty Place - 46th Floor CITY: Philadelphia STATE: Pennsylvania COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 19; DB 8;
100.0%; Pred. No. 5.8e-13;
tive 0; Mismatches 0;
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MEDIUM TYPER: 3.5 inch disk, 720 Kb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICALL...
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/141,892
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: DeLuca, Mark
REGISTRATION NUMBER: 33,229
REGISTRATION NUMBER: 33,229
REGISTRATION NUMBER: TUI-09
TELECOMMUNICATION INFORMATION:
""TELECOMMUNICATION INFORMATION INFORMAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:

CTHER INFORMATION: Novel Sequence
US-08-468-449B-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 NSSNYCCELCCNPACNGCY 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.0
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: amino acid
TOPOLOGY: linear
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                                                                                                                                                                                                                                              100.0%; Score 19; DB 1; Length 19; 100.0%; Pred. No. 5.8e-13; Live 0; Mismatches 0; Indels
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100.0%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 5.8e-13;
Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Waldman, Scott A.

TITLE OF INVENTION: Compositions That Specifically
TITLE OF INVENTION: And TO Colorectal Cancer Cells
TITLE OF INVENTION: And Methods Of Using The Same
NUMBER OF SEQUENCES: 54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
ADDRESSEE: Norris
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET: One Liberty Place, 46th Floor CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 19103
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: WOATGPE-fect 5.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/12232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
NAME: DELUCA, MATK
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TJU-1360
TELECOMUNICATION INFORMATION:
TELECHONE: 215-568-3100
TELECHAX: 215-568-3439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 5, Application PC/TUS9412232 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/141,892
FILING DATE: 26-OCT-1993
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/305,056
FILING DATE: 13-SEP-1994
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                           1 NSSNYCCELCCNPACNGCY 19
                                                                                                                                                                                                                                                                                                                                                                                    1 NSSNYCCELCCNPACNGCY 19
                             ; TYPE: PRT
; ORGANISM: Artificial Sequence
; PEATURE:
; OTHER INFORMATION: ST Ib
PCT-US04-03765-5
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INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
FRNGTH: 19 amino acids
                                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.0
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear

MOLECULE TYPE: protein

PCT-US94-12232-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PCT-US94-12232-5
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LENGTH: 19
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/ MOLECULE TYPE: protein US-09-263-477-5

1 NSSNYCCELCCNPACNGCY 19

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Length 19; Indels

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Gaps
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Weabburn Kurtz Mackiewicz & Norris
STREET: One Liberty Place, 46th Floor
CITY: Philadelphia
STATE: Pennsylvania
COUNTRY: USA
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                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 7
US-10-621-684-5
; Sequence 5, Application US/10621684
; GENERAL INFORMATION:
; APPLICANT: Waldman, Scott A.
; TITLE OF INVENTION: ST Receptor Binding Compounds and
Methods of Using the Same
                                                                                                                                                                                                                                                     Indela
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
100.0%; Score 19; DB 32;
Best Local Similarity 100.0%; Pred. No. 5.8e-13;
Matches , 19; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: Windows
SOFTMARE: WordPerfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/621,684
FILING DATE: 17-041-2003
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/583,447A
FILING DATE: 05-JAN-1996
APPLICATION NUMBER: US 08/141,892
FILING DATE: 26-OCT-1993
ATTORNEY/AGENT INFORMATION:
NAME: Deluca, Mark
REGISTRATION NUMBER: 33,229
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER: 1JU-1702
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MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                 1 NSSNYCCELCCNPACNGCY 19
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; PRIOR FILING DATE: 1995-06-06; NUMBER OF SEQ ID NOS: 54; SOFTWARE: Patentin version 3.0; SEQ ID NO 5; LENGTH: 19; TYPE: PRT CRGANISM: HOMO Sapiens US-09-724-983-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO: 5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-621-684-5
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GENERAL INFORMATION:
PAPLICANT: Waldman, Scott A.
TITLE OF INVENTION: ST Receptor Binding Compounds and Methods of Using the Same;
FILE REFERENCE: TJU-244
CURRENT APPLICATION NUMBER: US/09/724,983
CURRENT PILING DATE: 2000-11-28
PRIOR APPLICATION NUMBER: 08/468,449
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                                                   Gaps
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ADDRESSEB: Woodcock Washburn Kurtz Mackiewicz & Norris STRET: One Liberty Place, 46th Floor CITY: Philadelphia STATE: Pennsylvania CONTRY: USA
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    Length 19;
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                                                                                                                                                                                                                                       Sequence 5, Application US/09263477A
Sequence 1, Application US/09263477A
GENERAL INFORMATION:
APPLICANT: Waldman, Scott A.
ITLE OF INVENTION: ST Receptor Binding Compounds and
Methods of Using the Same
                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
Query Match 100.0%; Score 19, DB 16; Best Local Similarity 100.0%; Pred. No. 5.8e-13; Matches 19; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,477A
FILING DATE: 05-MAR-1999
CLASSIPICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/583,447A
FILING DATE: 05-JAN-1996
APPLICATION NUMBER: US 08/141,892
FILING DATE: 26-OCT-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 19; DE
100.0%; Pred. No. 5.8
tive 0; Mismatches
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REPERENCE/DOCKET NUMBER: TJU-1702
TELECOMMUNICATION:
TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows
                                                                                                                              1 NSSNYCCELCCNPACNGCY 19
                                                                                           1 NSSNYCCELCCNPACNGCY 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 19103
COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 56
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Best Local Similarity 100.
Matches 19; Conservative
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PCT-US94-12232-27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
100.0%; Score 19; DB 33;
Best Local Similarity 100.0%; Pred. No. 5.8e-13;
Matches 19; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: heat stable toxin peptide Ib
US-10-775-481A-5
                                    APPLICANT: Waldan, Scott A.
APPLICANT: Waldan, Scott A.
APPLICANT: Waldan, Scott A.
APPLICANT: Schulz, Giovanni Mario
APPLICANT: Schulz, Stephanie
APPLICANT: Schulz, Stephanie
APPLICANT: Lubbe, Henry R.
TITLE OF INVENTION: The Use Of GCC Ligands
TITLE REPERRNCE: 08321-0168 US1
CURRENT APPLICATION NUMBER: US/10/775,481A
CURRENT FILING DATE: 2004-02-10
PRIOR APPLICATION NUMBER: US 60/446,730
PRIOR FILING DATE: 2003-02-10
NUMBER OF SEQ ID NOS: 56
SOFTWARE: PastSEQ for Windows Version 4.0
SENGTHA: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JAPLICANT: Waldman, Scott A.

APPLICANT: Pitari, Giovanni Mario
APPLICANT: Park, Jason
APPLICANT: Schulz, Stephanie
APPLICANT: Schulz, Stephanie
APPLICANT: Wolfe, Henry R.
TITLE OF INVENTION: The Use Of GCC Ligands
FILE REFERENCE: 08321-168 PCI
CURRENT APPLICATION NUMBER: PCT/USO4/03765
CURRENT PILLING DATE: 2004-02-10
FRIOR PILLING DATE: 2003-02-10
NUMBER OF SEQ ID NOS: 56
SEQ ID NO 27
LENGTH: 18
LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 27, Application PC/TUS0403765 GENERAL INFORMATION:
Sequence 5, Application US/10775481A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 NSSNYCCELCCNPACNGCY 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 NSSNYCCELCCNPAC 15
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PCT-US04-03765-27
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PCT-US94-12232-27
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; Sequence 27, Application PC/TUS9412232; GENERAL INFORMATION:

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785-08-468-449B-27
78-50g-tance 27, Application US/08468449B
GENERAL INFORMATION:
7 APPLICANT: Waldman, Scott A.
7 TILE OF INVENTION: 5T Receptor Binding Compounds And Methods Of Using The Same;
7 FILE REPERENCE: TUU-158B
7 CURRENT APPLICATION NUMBER: US/08/468,449B
7 CURRENT FILING DATE: 1995-06-06
7 PRIOR APPLICATION NUMBER: 08/141,892
7 PRIOR APPLICATION NUMBER: 08/141,892
7 PRIOR FILING DATE: 1993-10-26
7 NUMBER OF SEQ ID NOS: 54
7 SEQ ID NOS: 54
7 SEQ ID NO 27
7 ELENGTH: 18
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APPLICANT: Waldman, Scott A.

TITLE OF INVENTION: Compositions That Specifically
TITLE OF INVENTION: Bind To Colorectal Cancer Cells
TITLE OF INVENTION: Bind To Colorectal Cancer Cells
TITLE OF INVENTION: And Methods Of Using The Same
NUMBER OF SEQUENCES: 54
CORRESCED: Moodcock Washburn Kurtz Mackiewicz &
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
ADDRESSEE: Norris
STREET: One Liberty Place, 46th Floor
CITY: Philadelphia
STATE: Pennsylvania
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Preu. ....
                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 5.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/12232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TJU-1360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PILING DATE:
CLASSIFICATION
PILOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: 08/141,892
FILING DATE: 26-0CT-1993
CLASSIFICATION NUMBER: 08/305,056
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/305,056
CLINIG DATE: 13-SEP-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: DeLuca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TJU-:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Novel Sequence
                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 NSSNYCCELCCNPAC 15
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Best Local Similarity 100.C
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear MOLECULE TYPE: peptide
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RESULT 14
US-09-724-983-27
US-09-724-983-27
Sequence 27, Application US/09724983
Sequence 27, Application US/09724983
Sequence 27, Application Sequence 28, ELLE REFERENCE: TUD-244
CURRENT APPLICATION NUMBER: US/09/724,983
CURRENT FILING DATE: 1090-11-28
PRIOR APPLICATION NUMBER: 08468,449
PRIOR FILING DATE: 1995-06-06
SEQUENCE 28, SEQUENCE 28, SEQUENCE 29, SEQUE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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                                                                                 COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows
SOFTWARE: WordPerfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,477A
FILING DATE: 05-Mar-1999
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION DATA:
FILING DATE: 05-JAN-1996
APPLICATION NUMBER: US/08/141,892
FILING DATE: 26-OCT-1993
ATTORNEY/AGENT INFORMATION:
NAME: DELUCA MARK
REGISTRATION NUMBER: 33,229
REGISTRATION NUMBER: 33,229
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: TJU-1702 TELECOMMUNICATION INFORMATION: TELEPHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-09-263-477A-27
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100.0%; Pro-
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LENGTH: 18 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IELEFAX: 215-568-3439
                                  STATE: Pennsylvania
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: 27
         CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 NSSNYCCELCCNPAC 15
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Best Local Similarity 100.0
Matches 15, Conservative
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Best Local Similarity 100.
Matches 15; Conservative
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CRGANISM: Homo sapiens
US-09-724-983-27
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US-10-621-684-27
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CORRESPONDENCE ADDRESS:
ANOGROCH WASHDURN KURTZ MACKIEWICZ & NORTIS
STREET: One Liberty Place, 46th Floor
                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                      Sequence 27, Application US/09263477
GENERAL INFORMATION:
APPLICANT: Waldman, Scott A.
TILLE OF INVENTION: ST Receptor Binding Compounds and Methods
TITLE OF INVENTION: of Using the Same
NUMBER OF SEQUENCES: 54
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz and Norris STREET: One Liberty Place - 46th Floor CITY: Philadelphia STATE: Pennsylvania
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            S-09-263-47/A-27/
Sequence 27, Application US/09263477A
GENERAL INFORMATION:
APPLICANT: Waldman, Scott A.
TITLE OF INVENTION: ST Receptor Binding Compounds and
Methods of Using the Same
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 18;
                                                              Length 18;
                                                                                                                         0; Indels
                                                        78.9%; Score 15; DB 8; L. 100.0%; Pred. No. 1.2e-08; tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.2e-08;
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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch disk, 720 Kb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WOOTGPE-fect 5.1
CURRENT APPLICATION NATA:
APPLICATION NUMBER: US/09/263,477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: DeLuca, Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TJU-0903
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/141,892
FILING DATE:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                  1 NSSNYCCELCCNPAC 15
                                                                                                                                                                                                                    1 NSSNYCCELCCNPAC 15
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                                                           Query Match
Best Local Similarity 100.(
Matches 15; Conservative
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SEQUENCE CHARACTERISTICS:
LENGTH: 18 amino acids
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Best Local Similarity 100.
Matches 15; Conservative
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US-08-468-449B-27
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US-09-263-477-27
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Sequence.27, Application Us/loszis84

GENERAL INFORMATION:

APPLICANT: Waldman, Scott A.

ITILE OF INVENTION: ST Receptor Binding Compounds and
ADDRESSES: Woodcock Washburn Kurtz Mackiewicz & Norris
CORRESSOURDENCE ADDRESS:
ADDRESSE: Woodcock Washburn Kurtz Mackiewicz & Norris
STRET: Pennsylvania
CONFRY: USAJ Vania
STRET: Pennsylvania
CONFRY: USAJ Vania

FILING DATE: USAJ VANIA
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Search completed: March 26, 2005, 17:39:59 Job time: 251.411 secs

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Run on:

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RESULT 2
US-09-787-082A-19
US-09-787-082A-19
Sequence 19, Application US/09787082A
GENERAL INFORMATION:
APPLICANT: Craik, David James
APPLICANT: Daly, Norella Lee
APPLICANT: Nailsen, Katherine Justine
TITLE OF INVENTION: CYCLISED CONOTOXIN PEPTIDES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence
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Matches 11; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
Sequence 1386, Ap
Sequence 1392, Ap
Sequence 23, Appl
Sequence 132874,
Sequence 1363, Ap
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    50676, A
36938, A
32426, A
167744,
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                                                                                                     March 26, 2005, 17:21:06; Search time 22.7321 Seconds (without alignments) 48.589 Million cell updates/sec
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3795,
3795,
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Sequence 1
Sequence 5
Sequence 3
Sequence 3
Sequence 1
Sequence 1
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Sequence
Sequence
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1: /cgn2 6/pcodata/1/paa/JCG NEW COMB.pep:*

2: /cgn2 6/ptodata/1/paa/US07 NEW COMB.pep:*

3: /cgn2 6/ptodata/1/paa/US07 NEW COMB.pep:*

4: /cgn2 6/ptodata/1/paa/US08 NEW COMB.pep:*

5: /cgn2 6/ptodata/1/paa/US08 NEW COMB.pep:*

6: /cgn2 6/ptodata/1/paa/US10 NEW COMB.pep:*

7: /cgn2 6/ptodata/1/paa/US11 NEW COMB.pep:*

8: /cgn2 6/ptodata/1/paa/US11 NEW COMB.pep:*
                                                                                                                                                                                                                                                                                                                                                    260697
           GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd
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US-09-787-082A-19
US-09-787-082A-19
US-01-066-697-1392
US-01-066-697-1392
US-01-787-082A-23
US-01-787-082A-23
US-01-787-082A-23
US-10-450-763-3636
US-10-450-763-3636
US-10-450-763-3636
US-10-450-763-3636
US-10-450-763-3936
US-11-027-843-3795
US-11-028-204-3795
US-11-028-169-3795
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                                                                         OM protein - protein search, using sw model
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Maximum DB seq length: 2000000000
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Match Length
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Sequence 3795, Ap
Sequence 57212, A
Sequence 57212, A
Sequence 15598,
Sequence 15414,
Sequence 15414,
Sequence 15411, A
Sequence 12431, A
Sequence 250, App
Sequence 250, App
Sequence 250, App
Sequence 21263,
Sequence 21263,
Sequence 250, App
Sequence 2165, App
Sequence 2166, App
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Sequence 24, Application US/10934728

GENERAL INFORMATION:
APPLICANT: Balloul, Jean Marc
APPLICANT: Balloul, Jean Marc
APPLICANT: Silvestre, Nathalle
FILE REFERENCE: 032751-115
CURRENT FILING DATE: 2001-04-19
PRIOR PILING DATE: 2000-11-07
PRIOR APPLICATION NUMBER: BP 0040109.7
PRIOR PILING DATE: 2000-04-14
PRIOR PILING DATE: 2000-04-14
PRIOR PILING DATE: 2000-04-14
PRIOR PILING DATE: 2000-04-14
PRIOR PILING DATE: 2001-01-02
NUMBER OF SEQ ID NOS: 52
NUMBER OF SEQ ID NOS: 52
SOFTWARE: FastSEQ for Windows Version 4.0
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100.0%; Pred. No. 3e-06;
tive 0; Mismatches 0; Indels
US-11-028-197-3795
US-11-028-44-3795
US-11-028-457-3795
US-11-028-457-3795
US-11-028-291-3795
US-11-028-458-3795
US-11-028-458-3795
US-10-450-763-57212
US-10-450-763-57212
US-10-450-763-57212
US-10-450-763-5899
US-60-655-875-130639
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US-60-655-875-131283
US-60-655-875-131657
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US-60-655-875-131657
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TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
TITLE OF INVENTION: COMPONENTS
TITLE OF INVENTION: COMPONENTS
TITLE OF INVENTION: COMPONENTS
TITLE OF INVENTION: COMPONENTS
FILE REFERENCE: 500862002301
CURRENT APPLICATION NUMBER: US/11/066,697
CURRENT PILION DATE: 2005-02-25
PRIOR APPLICATION NUMBER: 00/153,406
PRIOR FILING DATE: 1999-09-10
PRIOR FILING DATE: 1999-09-10
PRIOR FILING DATE: 1999-10-15
PRIOR FILING DATE: 1999-10-15
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 1392
                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic;
CTHER INFORMATION: Peptide
US-11-066-697-1392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          VG-09-787-082A-23

Sequence 23, Application US/09787082A

Sequence 23, Application US/09787082A

Sequence 23, Application US/09787082A

SEGUERAL INFORMATION

APPLICANT: Craik, David James

APPLICANT: Daly, Norelle Lee

APPLICANT: Mielsen, Katherine Justine

TITLE OF INVENTION: CYCLISED CONOTOXIN PEPTIDES

FILE REFERENCE: DAVI-0005

CURRENT APPLICATION NUMBER: US/09/787, 082A

CURRENT PILING DATE: 1999-09-14

PRIOR APPLICATION NUMBER: PCT/AU99/00769

PRIOR APPLICATION NUMBER: AU PP 5895

PRIOR APPLICATION NUMBER: AU PP 5895

PRIOR APPLICATION NUMBER: AU PP 5895

SEQ ID NOS: 29

SEQ ID NOS: 29

SEQ ID NOS: 29

SEQ ID NO 23

LENGTH: 19
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100.0%; Pred. No. 0.9;
tive 0; Mismatches
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100.0%; Pred. No. 1.2
tive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Boukharov, Andrey
APPLICANT: Du, Zijing
APPLICANT: Guo, Liang
APPLICANT: Kovalic, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.
Matches 6; Conservative
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Best Local Similarity 100.
Matches 6; Conservative
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CCNPAC 8
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i Sequence 1386, Application US/11066697

i General Information:

APPLICANT: Bridon, Dominique P.

APPLICANT: Bridon, Dominique P.

APPLICANT: Ezrin, Alan M.

APPLICANT: Thibaudeau, Karen L.

APPLICANT: Thibaudeau, Karen L.

TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM

TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM

TITLE OF INVENTION: COMPONENTS

TITLE OF INVENTION: COMPONENTS

TITLE OF INVENTION: COMPONENTS

TITLE OF INVENTION PROFES: 2005-02-25

PRIOR APPLICATION NUMBER: US/11/066,697

CURRENT APPLICATION NUMBER: 60/153,406

PRIOR FILING DATE: 2000-09-07

PRIOR FILING DATE: 1999-10-15

NUMBER OF SEQ ID NOS: 1617

SOFTWARE: PALENTIN VENTER: 211

SEQ ID NO 1386

LENGRIH: 13
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US-11-066-697-1386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ó
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                                                                                                                                                                                                                                                                                                                                                    31.6%; Score 6; DB 5;
100.0%; Pred. No. 0.9;
tive 0; Mismatches
CURRENT APPLICATION NUMBER: US/09/787,082A
CURRENT APPLICATION NUMBER: US/09/787,082A
CURRENT FILING DATE: 2001-06-14
FRIOR FILING DATE: 1999-09-14
FRIOR FILING DATE: 1998-09-14
NUMBER OF SEQ ID NOS: 29
SOFTWARE: Patentin version 3.3
LENGTH: 13
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APPLICANT: Bridon, Dominique P.
APPLICANT: Brinn, Alan M.
APPLICANT: Milner, Peter G.
APPLICANT: Holmes, Darren L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Conus geographus
                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.
Matches 6; Conservative
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Best Local Similarity 100.
Matches 6; Conservative
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US-11-066-697-1392
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Gaps

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0; Indels Length 13;

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Gaps

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0; Indels Length 19;

Gaps

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Indels

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Sequence 50676, Application US/10450763
; Gegnence 50676, Application US/10450763
; GENERAL INPORMATION:
; APPLICANT: Hyeeq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 79001P3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR FILING DATE: 2001-03-30
; PRIOR FILING DATE: 2001-03-30
; PRIOR FILING DATE: 2000-03-31
; PRIOR FILING DATE: 2000-03-31
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: CUSCON
                                                                                                                                                                                                                                           GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT ARBORGES, LECONARD N.
APPLICANT BLOKSBERG, LECONARD N.
APPLICANT BRYANT, CATHERINE
APPLICANT BRYANT, CATHERINE
APPLICANT BRYANT, CATHERINE
APPLICANT FROST, MICHARL J.
APPLICANT FROST, MICHARL J.
APPLICANT FORSTER, RICHARD LIEWELLYN SYDNEY
APPLICANT FORSTER, RICHARD LIEWELLYN SYDNEY
APPLICANT LASHAM, ANDRAY
APPLICANT LASHAM, ANDRETE
APPLICANT: LASHAM, ANDRETE
APPLICANT: LASHAM, ANDREAS
APPLICANT: LASHAM, ANDREAS
APPLICANT: LASHAM, ANDREAS
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APPLICANT: GAUSE, KATRINA
APPLICANT: WOOD, MARION
APPLICANT: WOOD, MARION
APPLICANT: HAVUKKALA, ILKKA
TITE OF INVENTION: TRANSCREPTION FACTORS
FILE REFERENCE: 044453-0296
CURRENT APPLICATION NUMBER: PCT/US04/17965B
CURRENT APPLICATION NUMBER: 60/476,189
PRIOR APPLICATION NUMBER: 60/476,189
PRIOR FILING DATE: 2003-06-06
NUMBER OF SEQ ID NOS: 3679
SEQ ID NO 1363
LENGTH: 309
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     Pred. No. 11;
0; Mismatches
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100.0%; Pred. No. 11;
tive 0; Mismatches
     100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PUTHIGAE, SATHIAH
VEERAKONE, STELLA
WESTWOOD, CLAIRE
GAUSE, KATRINA
WOOD, MARION
Best Local Similarity 100.
Matches 6; Conservative
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Best Local Similarity 100.
Matches 6; Conservative
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                                                                           7 CELCCN 12
                                                                                                           9 CELCCN 14
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                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Coding regions on vcDNA: vcDNA=SeqID_59297; Strand=-; Position=1 OTHER INFORMATION: -569,3452-3711
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                            APPLICANT: Williams, Deryck
APPLICANT: Vaudin, Mark
APPLICANT: Vaudin, Mark
APPLICANT: Wu, Wai
TITLE OF INVENTION: IN PLANTS AND COMPOSITIONS THEREOF
TITLE OF INVENTION: IN PLANTS AND COMPOSITIONS THEREOF
FILE REFERENCE: 38-21(53885)
CURRENT APPLICATION NUMBER: US/60/655,875
CURRENT FILING DATE: 2005-02-24
NUMBER OF SEQ ID NOS: 171306
SEQ ID NO 132874
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SENERAL INFORMATION:
APPLICANT: BLOKSBERG, LECNARD N.
APPLICANT: BRYANT, CATHERINE
APPLICANT: CONNETT, WARIE B.
APPLICANT: EMERSON, SARAH JANE
APPLICANT: FROST, MICHAEL J.
APPLICANT: HIGGINS, COLLEEN
APPLICANT: HIGGINS, COLLEEN
APPLICANT: HIGGINS, SATHIAN
APPLICANT: PUTHILIES, SONATHAN
APPLICANT: PUTHICAE, SATHIAN
APPLICANT: WESTWOOD, CLAIRE
APPLICANT: WESTWOOD, CLAIRE
APPLICANT: WOOD, WARION
APPLICANT: ROTHMAN, WILLIAM
APPLICANT: ROCHMAN, WILLIAM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: ROTTWAN, WILLIAM
APPLICANT: HAVUKKALA, ILKKA
TITLE OF INVENTION: TRANSCRIPTION FACTORS
FILE REFERENCE: 044463-0296
CURRENT APPLICATION NUMBER: PCT/US04/17965
CURRENT FILING DATE: 2004-06-07
PRIOR FILING DATE: 2003-06-06
NUMBER OF SEQ ID NOS: 3679
SOFTWARE: PATENTIN VET. 3.2
SEQ ID NO 1363
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31.6%; Score 6; DB 8
Best Local Similarity 100.0%; Pred. No. 10;
Matches 6; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Heterodera glycines
                       McCarter, James
Miller, Nancy
Williams, Deryck
Vaudin, Mark
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; ORGANISM: Pinus radiata
PCT-US04-17965-1363
Lu, Maolong
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31.6%; Score 6; DB 1; Length 309;

Query Match

Length 309; Indels

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Length 123;
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Pred. No. 76;
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Pred. No. 72;
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100.0%; Pred. No. ...
0; Mismatches
                                                                                                                                  Sequence 167744, Application US/60655875 GENERAL INFORMATION:
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ORGANISM: Heterodera glycines
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ORGANISM: Heterodera glycines
                                                                                                                                                                                                                                                          McCarter, James
Miller, Nancy
Williams, Deryck
Vaudin, Mark
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Kovalic, David
Lu, Maolong
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Best Local Similarity 100.
Matches 5; Conservative
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Best Local Similarity
                                       87 YCCEL 91
           5 YCCEL 9
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Sequence 36338, Application US/10450763

Sequence 36338, Application US/10450763

Sequence 36338, Application US/10450763

TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: 790CIP3/US

CURRENT APPLICATION NUMBER: US/10/450, 763

CURRENT FILING DATE: 2003-06-11

PRIOR APPLICATION NUMBER: PCT/US01/08631

PRIOR APPLICATION NUMBER: 09/540,217

PRIOR PILING DATE: 2000-03-31

PRIOR PILING DATE: 2000-03-31

PRIOR PILING DATE: 2000-08-23

NUMBER OF SEQ ID NOS: 60736

SOFTWARE: CUSTOM

LENGTH: 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 32426, Application US/10450763
; Sequence 32426, Application US/10450763
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790C1P3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2003-06-11
; PRIOR FILING DATE: 2000-03-30
; PRIOR FILING DATE: 2000-03-31
; PRIOR FILING DATE: 2000-03-31
; PRIOR FILING DATE: 2000-03-31
; RIOR APPLICATION NUMBER: 09/649,167
; RIOR APPLICATION NUMBER: 09/649,167
; ROWBER OF SEQ ID NOS: 60736
; SOFTWARE: CUSTOM
; SEQ ID NO 32426
                                                                                                                             0; Indels
                                                                                           Length 82;
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                                                                                     26.3%; Score 5; DB 6;
100.0%; Pred. No. 52;
tive 0; Mismatches
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Best Local Similarity 100.0%; Pred. No. 60;
Matches 5; Conservative 0; Mismatches
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100.0%; Pre
                                                                                Query Match 26.3
Best Local Similarity 100.
Matches 5; Conservative
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Best Local Similarity 100.
Matches 5; Conservative
                ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-450-763-50676
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT; ORGANISM: Homo sapiens
US-10-450-763-36938
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ORGANISM: Homo sapiens
                                                                                                                                                            13 PACNG 17
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LENGIH: 82
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OTHER INFORMATION: Coding regions on vcDNA: vcDNA=SeqID_94167; Strand=+; Position=2-:
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OTHER INFORMATION: Coding regions on vcDNA: vcDNA=SeqID_60617; Strand=+; Position=1;
OTHER INFORMATION: -190,345-437,556-669
US-60-655-875-134194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Lu, Maclong

APPLICANT: Miller, Nancy

APPLICANT: Miller, Nancy

APPLICANT: Williams, Deryck

APPLICANT: Williams, Deryck

APPLICANT: Wu wei

TITLE OF INVENTION: METHODS FOR GENETIC CONTROL OF HETERODERA INFESTATIONS

TITLE OF INVENTION: IN PLANTS AND COMPOSITIONS THEREOF

FILE REPRENCE: 38-21(53885)

CURRENT APPLICANTION NUMBER: US/60/655,875

NUMBER OF SEQ ID NOS: 171306

SEQ ID NO 134194

TYPE-

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APPLICANT: Wu, Wei, MILL OF INVENTION: METHODS FOR GENETIC CONTROL OF HETERODERA INFESTATIONS TITLE OF INVENTION: IN PLANTS AND COMPOSITIONS THEREOF FILE REFERENCE: 30-21 (53885) CURRENT APPLICATION NUMBER: US/60/655,875 CURRENT FILING DATE: 2005-02-24 NUMBER OF SEQ ID NOS: 171306 SEQ ID NO 167744 LENGTH: 123
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69 NSSNY 73
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       LENGTH: 146
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APPLICANT: Bush, David
APPLICANT: Cang, Qiandong
APPLICANT: Opperman, Timothy
APPLICANTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
CURRENT FILING DATE: 2000-06-13
PRIOR FILING DATE: 1996-06-13
PRIOR FILING DATE: 1996-06-12
PRIOR FILING DATE: 1996-06-12
PRIOR FILING DATE: 1998-05-12
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APPLICANT: Bush, David
APPLICANT: Bush, David
APPLICANT: Bush, David
APPLICANT: Zeng, Qiandong
APPLICANT: Zeng, Qiandong
APPLICANT: Zeng, Qiandong
APPLICANT: Copperman, Timothy
APPLICANT: Opperman, Timothy
TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
TITLE OF INVENTION: NumBER: US/11/027,843
CURRENT APPLICATION NUMBER: US/11/027,843
CURRENT FILING DATE: 2004-12-30
PRIOR FILING DATE: 2003-08-14
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 1998-06-30
PRIOR FILING DATE: 1998-06-30
PRIOR FILING DATE: 1998-06-30
PRIOR FILING DATE: 1998-06-30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26.3%; Score 5; DB 7;
100.0%; Pred. No. 82;
tive 0; Mismatches
   0; Mismatches
                                                                                                                                                                                                                                                                                           US-11-027-399-3795
; Sequence 3795, Application US/11027399
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; ORGANISM: Streptococcus pneumoniae US-11-027-399-3795
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Best Local Similarity 100.
Matches 5; Conservative
   5; Conservative
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58 ACNGC 62
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69 NSSNY 73
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US-11-027-843-3795
Matches
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b.ENGTH: 146

' TYPE: PRT

' ORGANIEM: Streptococcus pneumoniae
US-11-027-843-3795

Query Match
Best Local Similarity 100.0%; Pred. No. 82;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps
Qy 1 NSSNY 5

Qy 1 NSSNY 73

Search completed: March 26, 2005, 17:41:18
Job time: 22.7321 secs
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